

TOWSON  
STATE  
COLLEGE  
BULLETIN



GRADUATE STUDIES  
1969-1970  
NOVEMBER, 1969

*The provisions of this publication are not to be regarded as an irrevocable contract between the student and Towson State College. The College reserves the right to change any provision or requirement at any time within the student's term of residence, or to add or withdraw course offerings.*

## ACCREDITATION

Towson State College is accredited by the Middle States Association of Colleges and Secondary Schools, the Maryland State Board of Education and the National Council for the Accreditation of Teacher Education. The College is a member of the American Council on Education and is approved by the American Association of University Women.

## TOWSON STATE COLLEGE BULLETIN

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# TOWSON STATE COLLEGE



GRADUATE STUDIES 1969-1970  
BALTIMORE, MARYLAND 21204



A black and white photograph of a rectangular sign mounted on a white post. The sign has a decorative border with a central emblem featuring a heart and a cross. The text "TOWSON STATE COLLEGE" is written in large, bold, serif capital letters. Below this, a thin horizontal line separates the text from the date "FOUNDED 1866" in a smaller, bold, serif font. The sign is set against a background of trees and foliage, with a building visible in the distance to the right.

TOWSON  
STATE  
COLLEGE

FOUNDED 1866

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# ACADEMIC CALENDAR 1969-1970

## FALL SEMESTER

1969

Nov.	1	Sat.	Comprehensive Examination
	7	Fri.	Final date to drop a course with partial refund.
	12	Wed.	Final date to change to audit or to drop a course (semester duration) without penalty (day students).
	13	Thurs.	Final date to change to audit or to drop a course without penalty (evening students). Beginning of "WF", "WP" period for courses dropped (day students).
	14	Fri.	Beginning of "WF", "WP" period for courses dropped (evening students).
	26	Wed.	Thanksgiving holiday begins after 3:00 p.m.
Dec.	1	Mon.	Classes resume.
	19	Fri.	Christmas vacation begins after last class.

1970

Jan.	1	Thurs.	Final date to submit for Spring Semester "Application for Admission as Graduate Student" to Director of Graduate Studies.
	5	Mon.	Reading Day.
	6	Tues.	Final examinations begin for day students.
	7	Wed.	Classes resume and final examinations begin for evening students.
	13	Tues.	Last day of examinations for all students.
			Last day of semester for day students.
	15	Thurs.	Last day of semester for evening students.

## SPRING SEMESTER

1970

Jan.	7	Wed.	Final date to receive applications by mail. Applications may be submitted in person on the day of registration.
	19	Mon.	Final date to receive fees by mail. Fees may be paid in person on the day of registration.
	22	Thurs.	Registration*, Burdick Hall. Day and evening students. Evening students should see Registration Time Schedule in schedule of courses booklet.

\* No courses may be dropped or added on this day.  
Student advisement must precede this date.

23	Fri.	Registration*, Burdick Hall. Day and evening students. Evening students should see Registration Time Schedule in schedule of courses booklet.
26	Mon.	Day classes begin.
Feb. 2	Mon.	Evening classes begin. See bulletin board in Stephens Hall for room assignments.
2-3	Mon. & Tues.	Late Registration (\$5.00 late fee) in ST 102. Time 6:00 p.m.—8:00 p.m.
2-5	Mon.- Thurs.	Schedule changes (\$5.00 change fee) in ST 102. Time 6:00 p.m.—8:00 p.m.
Mar. 13	Fri.	Mid-semester
	26 Thurs.	Final date to drop course (semester duration) with partial refund. Spring vacation begins after last class.
Apr. 6	Mon.	Evening and day classes resume. Beginning of "WF", "WP" period for courses dropped (day students).
	9 Thurs.	Final date to change to audit or to drop a course without penalty.
10	Fri.	Beginning of "WF", "WP" period for courses dropped (evening students).
11	Sat.	Comprehensive Examination.
May 8	Fri.	Final date for degree candidates to pay Commencement fees.
13	Wed.	Last day of classes for day students.
14	Thurs.	Reading Day.
15	Fri.	Final date to submit for Summer Session "Application for Admission as Graduate Student" to Director of Graduate Studies.
		Final examinations begin for day students.
18	Mon.	Final examinations begin for evening students.
21	Thurs.	Last day of examinations and semester for evening students.
22	Fri.	Last day of examinations and semester for day students.
31	Sun.	Commencement.

**ADDITIONAL DATES**

July 18	Sat.	Comprehensive Examination.
Aug. 15	Sat.	Final date to submit for Fall Semester "Application for Admission as Graduate Student" to Director of Graduate Studies.
Nov. 7	Sat.	Comprehensive Examination.

Students should consult the College Bulletin of April 1970, and the Undergraduate Evening College Bulletins of February and August 1970 for academic calendar information beyond that included in this bulletin.



DR. JAMES L. FISHER, *President*

## GENERAL INFORMATION

### *HISTORY OF THE COLLEGE*

Towson State College, the oldest and largest of Maryland's public colleges, traces its history back to 1865 when the General Assembly of Maryland established a state-wide public school system. The first state teacher training institution was the Maryland State Normal School which in 1935 became the State Teachers College at Towson. In 1963 the name Towson State College was adopted.

Formally opened in Baltimore on January 15, 1866, the Normal School was, for many years, the only institution devoted exclusively to the preparation of teachers for the public schools of Maryland.

The School occupied three different locations in the City of Baltimore before moving to its present suburban location in 1915.

In 1946 the arts and sciences program was introduced at Towson. Beginning as a two-year transfer program, it was extended to a four-year, degree-granting program in 1960.

In 1963 the College was authorized, by action of the Legislature, to expand its offerings in the arts and sciences while maintaining a strong program in teacher education and to change its name from State Teachers College at Towson to Towson State College.

In 1966 the College completed 100 years of service to the State, having graduated more than 12,000 students during its first century.

### *DEVELOPMENT OF GRADUATE STUDIES*

Graduate Studies at Towson State College began in June 1958 with the establishment of a Master of Education degree program in Elementary Education. This was initiated after two years of preliminary study and recommendations from teachers and school administrators.

Sixty-seven students were admitted to the degree program in the first session of 1958, and the number of students has increased to the more than 4200 enrolled in November 1969. Since 1958, eight additional programs leading to the Master of Education degree have been developed and approved and a number of other programs are in various stages of planning and approval. The programs presently offered leading to the Master of Education degree and the dates of approval by the Board of Trustees are as follows:

Art Education	1965
Early Childhood Education	1968
Elementary Education	1958
Guidance and Counseling	1965
Music Education	1969
Reading	1969
School Psychology	1967
Secondary Education	1965
Urban Teaching	1966

### *THE CAMPUS*

The College is situated on a campus of nearly 300 acres located a mile and one-half beyond the northern border of the city of Baltimore.

Within an eight-mile radius of the campus are all the cultural advantages of the city of Baltimore—the Peabody Conservatory of Music and Library, the Enoch Pratt Free Library, the Walters Art Gallery, the Baltimore Museum of Art, and the many theaters and other cultural centers necessary for a well-rounded college experience.

Campus buildings and facilities give excellent support to the various College programs. The following are of particular interest to graduate students:

1. Stephens Hall, one of the original campus buildings, houses most of the administrative offices as well as some classrooms. This building with its clock tower has become a landmark in the Baltimore area. Offices of the Graduate Division are located in the south wing of Stephens Hall.
2. The Albert S. Cook Library has well-developed holdings in the arts and sciences and teacher education. Towson's long history of teacher education is reflected in the extensive collections of bound volumes, reference works and periodicals in this field as well as substantial holdings in microfilm and microcard. The collections of curriculum materials, textbooks, trade books and audio-visual aids are particularly noteworthy. A large addition to the Library was completed in 1969.
3. Van Bokkelen Hall is a classroom building for the departments of art and mathematics. In addition, it contains recording and listening rooms for the Speech and Drama Department, piano practice rooms for the Music Department and display areas for the Art Department.
4. Linthicum Hall, completed in 1967, is the largest classroom building on campus. Many faculty offices are also located here. The ground floor houses the College Book Store.
5. Smith Science Hall was first occupied in the fall of 1965. Included in

the building are biology, chemistry, physics and science education offices, classrooms, laboratories and special function rooms such as student and faculty work and preparation areas. The Watson-King Planetarium is on the top floor.

6. Lida Lee Tall Learning Resources Center greatly facilitates field studies of children from nursery school through grade six.
7. Burdick Hall, the new gymnasium, and additional athletic fields were completed in the 1967-1968 college year.

A new College Union is under construction and construction of a Fine Arts Building is expected to begin in the near future.

#### **ACCREDITATION**

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#### **BOARD OF TRUSTEES**

The College is governed by a nine-member Board of Trustees — eight members appointed by the Governor for nine-year terms — and the state superintendent of schools, a permanent member, *ex officio*. This same board also controls the five other state colleges.

Created by the General Assembly of 1963, the Board was a recommendation of the Commission for the Expansion of Public Higher Education in Maryland and replaced the State Board of Education as the College's controlling agency.

#### **GRADUATE STUDIES COMMITTEE**

The Graduate Studies Committee determines policy for all graduate programs. Graduate curriculum matters are also the responsibility of the Committee. The membership is comprised of appointed faculty members, the Dean of the College and the Director of Graduate Studies. Meetings are held monthly during the academic year and at other times when necessary.

Present membership of the Committee is given below:

Wilfred B. Hathaway, B.S., M.S., Ph.D.

*Chairman, Professor of Biology and Director of Graduate Studies*

Grayson S. Burrier, A.B., M.A., Ed.D.

*Professor of Education*

Louis T. Cox, B.S., M.A., Ed.D.

*Professor of Physical Science*

Robert A. Magill, B.A., M.A., Ph.D.

*Professor and Chairman of Department of Modern Languages*

John Carter Matthews, A.B., M.A., Ph.D.

*Professor of History*

Marion S. Sargent, A.B., M.A., Ph.D.

*Professor and Chairman of Department of English*

Earl T. Willis, A.B., M.A., Ed.D.

*Professor of Education*

Phineas P. Wright, A.B., M.A.

*Associate Professor of English*

#### **GRADUATE STUDIES COORDINATORS**

The Graduate Studies Coordinators is a group comprised of the coordinators of each graduate program and the Director of Graduate Studies. This group administers all graduate work within the policies set by the Graduate Studies Committee. The Director of Graduate Studies serves as chairman of the coordinators.

Present members of the Coordinators are listed below:

Wilfred B. Hathaway, B.S., M.S., Ph.D.

*Chairman and Director of Graduate Studies*

Gilbert A. Brungardt, B.M.Ed., M.M., D.M.A.

*Coordinator, Music Education Program*

Grayson S. Burrier, A.B., M.A., Ed.D.

*Coordinator, Secondary Education Program*

Regina L. Fitzgerald, A.B., M.Ed., Ed.D.

*Coordinator, Elementary Education Program*

Joseph P. Gutkoska, B.S., M.Ed., D.Ed.

*Coordinator, Reading Program*

Billy D. Hauserman, B.S., M.Ed., Ed.D.

*Coordinator, Urban Teaching Program*

Dell C. Kjer, B.E., M.A., Ph.D.

*Coordinator, Early Childhood Education Program*

John B. Mitchell, B.S., M.A., Ph.D.

*Coordinator, Art Education Program*

Edward Neulander, B.S., M.S., Ed.D.

*Coordinator, Guidance and Counseling Program*

Herbert Siegel, A.B., M.A., Ph.D.

*Coordinator, School Psychology Program*

#### **ADVISEMENT**

Graduate student advisement is the responsibility of the Director of

Graduate Studies, the Graduate Studies Coordinators and faculty members serving on the Graduate Staff. Students are encouraged to seek an appointment with one of the advisory staff. All conferences with advisers should be arranged by appointment and well in advance of Registration dates.

#### **GRADUATE DIVISION OFFICE HOURS**

The Graduate Division Office is open each weekday (except for scheduled holidays) from 8:30 a.m. to 5:00 p.m. During Registration, the Office is also open in the evening according to the Registration schedule. Students may arrange for appointments with the Graduate Division Staff at other hours.

#### **CORRESPONDENCE**

All correspondence concerning graduate study should be addressed to:

Director of Graduate Studies

Towson State College

Baltimore, Maryland 21204

#### **LIBRARY PRIVILEGES**

Graduate students are issued College identification cards for borrowing privileges. Books and materials from other libraries in the area may be requested on Inter-Library Loan by graduate students.

#### **LIBRARY HOURS**

Mon.-Thurs.	8:00 a.m. to 10:00 p.m.
Fri.	8:00 a.m. to 5:00 p.m.
Sat.	9:00 a.m. to 5:00 p.m.
Sun.	2:00 p.m. to 6:00 p.m.



## REGISTRATION AND FINANCIAL INFORMATION

## REGISTRATION

Information concerning registration may be obtained prior to each session at the Evening and Summer School Office. Students who have taken graduate-level courses in an earlier session at Towson State College should have records on file in the Graduate Office and may, therefore, avail themselves of the opportunity to register by mail according to Evening and Summer School Office procedures. Students registering for the first time in graduate-level courses cannot complete registration by using the mail registration option. They must complete the form "Application for Admission as Graduate Student" and by appearing on the appropriate registration date may register for 400-level courses. Registration for 500-level courses is contingent upon the granting of Graduate Student standing.

## FEES

Tuition and other fees are subject to change without notice by action of the Board of Trustees.

Any post-baccalaureate student enrolled in 400 or 500-level courses is considered to be taking graduate-level work. The semester hour fee, therefore, will be assessed at the graduate rate. Courses below 400-level taken by the post-baccalaureate student will be assessed at the undergraduate rate for each semester hour.

A listing of the various fees follows:

Tuition: undergraduate, per semester hour .....	\$20.00
graduate, per semester hour .....	\$25.00
Registration Fee: a non-refundable fee assessed every	
student each term .....	\$ 5.00
General College Fee: a non-refundable fee assessed every	
student each term .....	\$ 7.50
Change of Course Fee: a non-refundable fee assessed for	
the addition or subtraction of courses from either the	
original application or from the registration form .....	\$ 5.00
Transcript Fee: charged after the first copy .....	\$ 1.00

Car Registration Fee: an assessment for each student bringing a car on campus .....	\$ 4.00
Final or Make-up Examination: a charge made if an examination is administered at other than the designated time .....	\$ 5.00
Laboratory Fee: charged for certain courses .....	see course description
Private Music Lessons: .....	\$50.00 plus tuition
Graduation Fee: for Master's Degree, Plan A (with Thesis) .....	\$30.00
	Plan B (without Thesis) .....
	\$25.00



## **STUDENT PERSONNEL PROGRAM**

Graduate students are welcome to use the facilities and services of the Student Personnel Program. Students are also invited to avail themselves of the many programs presented by the Special Events Committee of the College. The Student Government Association offers for \$5.00 per semester a card admitting graduate students to all of the activities sponsored by the Association including lectures, plays, musical, athletic and social events.

### **COLLEGE CENTRE**

The College Centre is open each evening until 11 p.m. The Centre provides Snack Bar service, color television, a chapel, recreational facilities and lounges. A program of activities is also offered.

#### **Book Store**

The Book Store operates under the control of the College Centre and is located on the ground floor of Linthicum Hall. It is open daily until 8:30 p.m. and on Saturdays between 8:30 a.m. and noon. It stocks classroom supplies, phonograph records, hard-back and paper-back books, as well as sundry personal items.

### **HEALTH CENTER**

The Anita Dowell Health Center is located northeast of Linthicum Hall. It is open week days until 9 p.m. and thereafter for emergencies. First aid is administered and appropriate referrals are made. All accidents on campus should be reported to the Health Center immediately. A mental health service is available for students seeking psychiatric help.

#### **FINANCIAL AID**

#### **PLACEMENT SERVICE**

Appointments may be made during the day and early evening hours with the Dean or Associate Dean of Students to discuss limited financial aid or assistance in placement.

A number of graduate assistantships and fellowships are available to graduate students in a master's degree program. To receive an assistantship or

fellowship, a student must be recommended by the appropriate department. Detailed information concerning the assistantships and fellowships may be obtained by writing to the Director of Graduate Studies.

#### **RESIDENCE, ON AND OFF-CAMPUS**

Provision is made to house a few graduate students on campus. Interested students should communicate with the Director of Residence, Newell Hall. The Housing Office in Newell Hall provides listings of off-campus accommodations. Arrangements for conferences should be made in advance by telephone.

#### **GENERAL COUNSELING**

The Dean of Students, the Associate Dean of Students and the Director of the Counseling Center are available in the early evening hours or during the day, by appointment, for consultation on matters of individual concern.

#### **PARKING**

The operation and possession of motor vehicles in the Towson community and the use of campus parking facilities are privileges extended to all college personnel (faculty, staff, and students). These privileges carry with them the obligation to observe all regulations.

The map on the cover of this bulletin designates the parking areas for faculty, staff, and students. Student parking permits are \$4.00 each and may be obtained when other registration fees are paid.

#### **MESSAGES**

The switchboard at the entrance of Stephens Hall will be open until 11 p.m. Monday through Thursday and until 9 p.m. on Friday. Emergency messages ONLY may be received and relayed to staff and class members provided the College operator is given the name of the class in which the individual is to be located. Emergency messages do not include reported absences or reasons for absence.

# ACADEMIC REGULATIONS GOVERNING GRADUATE AND POST-BACCALAUREATE STUDY

## GENERAL ADMISSIONS POLICY

Admission to the Graduate Division at Towson State College is granted to all applicants whose academic and personal qualifications give promise of success in graduate study. Students will be given a classification within the Graduate Division appropriate to their qualifications. The Board of Trustees of the State Colleges has established the requirement that admission to the State Colleges shall be determined without regard to race, color, religion, or sex.

## ADMISSION TO COURSES FOR GRADUATE CREDIT\*

An applicant for admission to courses for graduate credit (classification: Graduate Student) must meet admission requirements in one of two ways: 1) By holding a Master's or Doctor's degree from a regionally accredited college or university, 2) By holding a Bachelor's degree from a regionally accredited college or university and a grade average of 3.00 ("B"). Several areas of the applicant's undergraduate academic record will be examined, and the grade requirement can be satisfied by a "B" average in at least one of them. They are as follows: a) The complete record of four years' work, b) The work of the junior and senior years only, c) The courses relevant to the graduate program he will undertake. These courses are ordinarily those making up the undergraduate major and minor if the student plans to continue his studies in these same fields. The quality of graduate work taken beyond the Bachelor's degree, either as post-baccalaureate (non-graduate credit) courses or graduate credit courses, will be evaluated as part of the undergraduate record. Recommendations from persons who can appraise the student's academic qualifications may be required.

An "Application for Admission as Graduate Student" must be filed in advance of the first enrollment at this college. The application and official copies of transcripts of all collegiate work must be filed with the Director of Graduate Studies no later than August 15 for the Fall Semester, January 1 for the Spring

\* The regulations contained in this Bulletin pertain only to those students who began their graduate studies after June 1, 1967.

Semester, or May 15 for the Summer Session to be considered for admission. Those who are admitted as Graduate Students may register for courses numbered 100-599 but will receive graduate credit only in courses numbered 400-599 completed with grades of "C" or better. Service Courses and several 400-level undergraduate prerequisite courses are not given graduate credit. In order to maintain the classification of Graduate Student a good academic record must be achieved even if the student is not in a degree program.

#### *ADVANCEMENT TO DEGREE CANDIDACY*

Students admitted as Graduate Students are not candidates for a degree until all the requirements listed below under "Advancement to Candidacy for the Master's Degree" have been met. However, all those who intend to apply at the appropriate time for advancement to degree candidacy should file a Program of Study with the Director of Graduate Studies during their first term of work at this college. This Program, listing all courses to be taken to meet degree requirements, must be approved by a graduate adviser. It also includes any undergraduate requirements the student may not have met. Students should consult the Course Requirements of the program in which they are interested for undergraduate requirements of the major areas of graduate work (Education, Psychology, Music or Art). However, all programs require or recommend that work be taken in departments outside one of these major areas. Since some departments may require a specific undergraduate background for graduate study in their areas (i.e., an undergraduate major or minor), students are urged to consult the Graduate Advisers of the appropriate departments for information about their policies. Such requirements are normally met by taking the necessary courses, but in special circumstances may be fulfilled by a reading program or by examination.

#### *CANDIDATES FOR DEGREES AT OTHER INSTITUTIONS*

A student who is a candidate for an advanced degree at another college or university may enroll as a Graduate Student at this college for occasional work. He must present, at least two weeks before registration, a letter from the Graduate Dean of his parent institution indicating that he is in good standing and that credit earned here is acceptable towards his degree.

#### *ADMISSION TO COURSES FOR POST-BACCALAUREATE WORK (NON-DEGREE PROGRAMS)*

Students who do not meet the standards required for classification as Graduate Student are permitted to register with the classification of Non-Graduate Student and pursue non-degree programs. Non-Graduate Students

may take courses at the 400-level and earn graduate credit towards the Advanced Professional Certificate.

Non-Graduate Students pursuing non-degree programs at the post-baccalaureate level, however, are required to file an "Application for Admission as Graduate Student" and a copy of all transcripts of all collegiate work in advance with the Director of Graduate Studies.

Students who believe they can meet the admission requirements for Graduate Student status but who fail to file the required application in advance must register as Non-Graduate for the term. However, they will be considered for admission to Graduate Student status if their application and transcripts are received by the college before the end of the first quarter of the term. If they are admitted to Graduate Student status they will then be permitted to receive graduate credit for satisfactory completion of any 400-level course (except Service Courses\* and several undergraduate prerequisite or specifically senior courses) in which they may be enrolled.

#### **THE QUALIFYING PROGRAM**

A Qualifying Program has been designed to test the readiness for graduate work of those students whose academic achievement falls short of the standards required for Graduate Student status but whose records show promise on several other grounds. Those who pass the Qualifying Program are admitted to the status of Graduate Student.

Two factors will be considered in determining whether an applicant should be admitted to the Qualifying Program: 1) His academic average in all collegiate work. It must be at least 2.30 in one or more of the areas of the student's record listed above in "ADMISSION TO COURSES FOR GRADUATE CREDIT", 2) The quantity and quality of teaching or counseling experience in the field in which he plans to major as a Graduate Student. In addition, recommendations from persons who can appraise the student's academic qualifications and professional experience may be required.

The Qualifying Program consists of 1) A minimum of six hours chosen from a list of approved 400-level courses. The courses must be completed with a 3.00 average. At least one course must be in Education and one outside Education. 2) The Graduate Record Examination. Acceptable scores on the Graduate Record Examination must be achieved in the Aptitude Test and in the appropriate Advanced Test if required by the particular degree program. An adviser will be assigned to the student to assist him and to help evaluate his work. Application for admission to this program is made to the Director of Graduate Studies.

Students in the Qualifying Program are enrolled as Non-Graduate Stu-

\* e.g. safety and driver education courses.

dents. Their course work will not count towards any advanced degree but may be given graduate credit towards the Advanced Professional Certificate. During this period students may be asked to complete certain undergraduate requirements for the degree program in which they may be interested.

Non-Graduate Students must be enrolled in the Qualifying Program if they expect their work in 400-level courses and performance on the Graduate Record Examination to be considered for admission to Graduate Student status.

#### **GRADUATE WORK BY SENIORS IN THIS COLLEGE**

Seniors in their last semester of work at this college may take 400-level courses for graduate credit and 500-level courses if they meet the following requirements: 1) The graduate courses must be in excess of the 128 hours required for the Bachelor's degree, 2) An application to the Director of Graduate Studies for Graduate Student classification (which requires a 3.00 average), submitted in advance (by August 15 for the Fall Semester, January 1 for the Spring Semester, and May 15 for the Summer Session) must be approved.

#### **REQUIREMENTS FOR THE DEGREE OF MASTER OF EDUCATION**

##### **1. Advancement to Candidacy for the Master's Degree**

An application for Advancement to Candidacy for the Master's degree may be made by Graduate Students when nine to fifteen hours of graduate courses have been completed at this college. Over half of this work must have been taken in 500-level courses. Application is made to the Director of Graduate Studies.

Evaluation of the application is based upon the completion of the following requirements:

- a) The filing of a Program of Study with the Director of Graduate Studies, if not done earlier. The Program, to be completed in consultation with an adviser, must be drawn up on forms provided by the appropriate graduate coordinator. It may be revised at any time with the adviser's approval.
- b) A 3.00 average in all graduate work at this college.
- c) Acceptable scores on the Graduate Record Examination. This need not be retaken by those who passed the Qualifying Program.

Advancement to Candidacy in no case assures the student of a degree, but merely signifies that he is considered by his instructors sufficiently prepared and able to pursue such graduate study and research as are demanded by the requirements of the degree sought. Recommendations from persons who can appraise the candidate's professional experience may be required.

2. All requirements, including the comprehensive examination, and the thesis if applicable, must be completed by August of the seventh year of graduate study. This period of study is assumed to begin at the time the student is admitted to Graduate Student status.
3. Eighteen or more of the total required course credits for any degree program must be earned in 500-level courses.
4. In order to remain in good standing, candidates for the Master of Education degree must maintain a 3.00 average after being advanced to degree candidacy. If the cumulative average falls below 3.00, the student will be placed on probation. If after completing nine more hours of work his cumulative average remains below 3.00, he will be dropped from candidacy; otherwise he will be restored to good standing. A student on probation will not be permitted to take comprehensive examinations leading to any degree. Required courses in which the candidate earns a grade of "D" must be repeated, since the grade does not confer graduate credit. In accordance with college policies both grades for the course will be computed in the student's cumulative average.
5. The thesis and seminar requirements of the programs which demand them represent a major part of the student's advanced study. The thesis\* must demonstrate the student's ability to do independent research and to write effectively as evaluated by a thesis committee appointed by the Director of Graduate Studies. The seminar paper is a more modest undertaking, but must exhibit similar qualities of research and writing as evaluated by the professor teaching the seminar.
6. Each candidate for the Master of Education degree must take a final comprehensive examination not earlier than the term during which he will complete his course work. This examination is given three times a year, in April, July, and November. The examination may be repeated only once. It is the responsibility of the student to inform the Graduate Office at least one month prior to the examination of readiness to take the examination. Students presenting a thesis in partial fulfillment of their degree requirements will be required to take an oral examination on the thesis.

\* The student who has elected to write a thesis in partial fulfillment of the requirements for the M. Ed. degree (Plan A) must enroll in Educ 599 Master of Education Thesis (3 hrs.) at some time during the active preparation of the thesis. The grades to be granted in Educ 599 shall be "S" for Satisfactory and "U" for Unsatisfactory. "Incomplete" shall be given only in accordance with the Academic Regulations stated in the Towson State College Bulletin. If a student receives a "U", he may change to Plan B (Seminar).

#### CREDIT TRANSFERRED FROM OTHER COLLEGES

A maximum of six hours of graduate credit may be transferred from other regionally accredited colleges or universities and counted towards the Master of Education degree. A request for transfer credit for courses taken before enrollment as a Graduate Student at this college should be submitted at the time the student files a Program of Study. If he wishes to take work elsewhere after filing this Program, he must apply in writing to the Director of Graduate Studies for permission. Normally, approval will be given only for courses which are not offered by this college during the period of the student's attendance. Only courses in which grades of "A" or "B" have been earned are transferable. The candidate is subject to final examination on all work offered for the degree.

All course work to be transferred, like credit earned at this college, must have been taken within the seven-year period of study in order to be counted towards the degree.



## *GRADUATE PROGRAMS*

### *PURPOSES*

The programs leading to the Master of Education degree have been developed primarily to help school teachers, guidance counselors, and school psychologists increase their competency in the following general areas:

Art Education  
Early Childhood Education  
Elementary Education  
Guidance and Counseling  
Music Education  
Reading  
School Psychology  
Secondary Education  
Urban Teaching

### *THE MASTER OF EDUCATION IN ART EDUCATION*

The Master of Education Degree Program in Art Education is structured to further an understanding of the creative process, with its educational implications, and to develop increased sensitivity to, and skill in the graphic and plastic arts. Students are encouraged to specialize in an area of expression so that they may develop greater understanding and professional competence.

#### *Requirements:*

1. Undergraduate Requirements in Education and Art
  - a. Certification as a public school art teacher
  - b. Courses in both Art and Education areas as follows: (total: 32 hours):
    - 1) In Art (27 hours)
      - a) Fundamentals of Design (two and three dimensional) (6 hrs.)
      - b) Ceramics and Sculpture (6 hrs.)
      - c) Drawing, Painting and Graphic processes (some credit required in each area) (9 hrs.)
      - d) Art History (6 hrs.)
    - 2) In Education (5 hours)
      - a) Educational Psychology or Human Growth and Development (3 hrs.)

- b) Methods of Teaching Art (2 hrs.)
- 2. Course Requirements for the Degree. They may be met by completing either one of the following two plans of study:
  - a. Plan A. Master of Education with Thesis (Minimum 30 semester hours)
    - 1) Required Courses (15 hours)
      - a) Educ 503 Educational Ideas in Historical Perspective (3 hrs.)
      - b) Psyc 501 Developmental Psychology (3 hrs.)  
(Formerly Human Growth & Development — Advanced)
      - c) Art 585 Art Education Seminar (3 hrs.)
      - d) Art 595 Research in Art and Art Education (3 hrs.)
      - e) Art 599 Master of Education Thesis (3 hrs.)
    - 2) The Thesis requirement may be met in one of two ways:
      - a) By writing a standard thesis dealing with a selected problem in Art and Art Education.
      - b) By undertaking a creative project. The Department must approve the project proposal. It is expected that the student will exhibit the completed project and accompany it with a suitable paper defining its scope and philosophy.
    - 3) Elective Courses (15 hours)
      - a) Courses numbered 500-599 should ordinarily be chosen, but a maximum of fifteen hours of work in courses numbered 400-499 may be taken with approval of the student's adviser.
      - b) Six hours may be taken in departments other than Art.
  - b. Plan B. Master of Education without Thesis (Minimum 33 semester hours)
    - 1) Required Courses (12 hours)
      - a) Educ 503 Educational Ideas in Historical Perspective (3 hrs.)
      - b) Psyc 501 Developmental Psychology (3 hrs.)  
(Formerly Human Growth & Development — Advanced)
      - c) Art 585 Art Education Seminar (3 hrs.)
      - d) Art 595 Research in Art and Art Education (3 hrs.)
    - 2) Elective Courses (21 hours)
      - a) Courses numbered 500-599 should ordinarily be chosen, but a maximum of fifteen hours of work in courses numbered 400-499 may be taken with approval of the student's adviser.
      - b) Six hours may be taken in departments other than Art.

**THE MASTER OF EDUCATION IN EARLY CHILDHOOD EDUCATION**

The Master of Education Degree Program in Early Childhood Education is structured to help teachers increase their competence and/or prepare them to work in educational programs for children ages three through eight years. It is designed also to enable persons to increase their competence and/or prepare them to accept positions of leadership in educational programs for young children.

*Requirements:*

1. Undergraduate Requirements in Education
  - a. Certification as an early childhood education public school teacher  
OR
  - b. Certification as an elementary public school teacher plus six semester hours in Early Childhood Education at the undergraduate level  
OR
  - c. Courses in the following areas (total: 15 hours):
    - 1) General Psychology, Educational Psychology, or Psychology of Learning (3 hrs.)
    - 2) Child Psychology, Child Growth and Development, Human Growth and Development, or Personality (3 hrs.)
    - 3) Curriculum and Methods in Early Childhood Education (6 hrs.)
    - 4) Three hours chosen from the following areas:
      - a) History of Education
      - b) Foundations of Education
- NOTE: These courses cannot be used to meet part of the formal elective requirements for the degree as defined below.
2. Course Requirements for the Degree. They may be met by completing either one of the following two plans of study:
  - a. Plan A. Master of Education with Thesis (Minimum 30 semester hours)
    - 1) Required Courses (12 hours)
      - a) Educ 503 Educational Ideas in Historical Perspective (3 hrs.)
      - b) Educ 595 Introduction to Research in Education (3 hrs.)
      - c) Educ 599 Master of Education Thesis (3 hrs.)
      - d) Psyc 501 Developmental Psychology (3 hrs.)  
(Formerly Human Growth & Development — Advanced)
    - 2) Elective Courses (18 hours)
      - a) Twelve hours must be earned in departments other than education.

b) At least six hours must be selected from courses numbered 500-599.

c) At least six hours must be selected from the following courses in Early Childhood Education:

Educ 421 Problems in Early Childhood Education (3 hrs.)

Educ 423 Laboratory Experiences in Early Childhood Education (3 hrs.)

Educ 507 Home, School, Community (3 hrs.)

Educ 509 Growth and Development of Young Children (3 hrs.)

Educ 521 Language Development and Reading in Early Childhood Education (3 hrs.)

Educ 553 Perceptual and Cognitive Development of Young Children (3 hrs.)

b. Plan B. Master of Education without Thesis (Minimum 33 semester hours)

1) Required Courses (12 hours)

- a) Educ 503 Educational Ideas in Historical Perspective (3 hrs.)
- b) Educ 573 Seminar in Early Childhood Education (3 hrs.)
- c) Educ 595 Introduction to Research in Education (3 hrs.)
- d) Psyc 501 Developmental Psychology (3 hrs.)

2) Elective Courses (21 hours)

a) Twelve hours must be earned in departments other than education.

b) At least six hours must be selected from courses numbered 500-599.

c) At least nine hours must be selected from the following courses in Early Childhood Education:

Educ 421 Problems in Early Childhood Education (3 hrs.)

Educ 423 Laboratory Experiences in Early Childhood Education (3 hrs.)

Educ 507 Home, School, Community (3 hrs.)

Educ 509 Growth and Development of Young Children (3 hrs.)

Educ 521 Language Development and Reading in Early Childhood Education (3 hrs.)

Educ 553 Perceptual and Cognitive Development of Young Children (3 hrs.)

## THE MASTER OF EDUCATION IN ELEMENTARY EDUCATION

The Master of Education Degree Program in Elementary Education consists of required and elective courses combined into an individual plan which helps the student broaden and deepen his understandings, improve skills and insights related to elementary teaching, and pursue his particular professional goals. In required courses and experiences he is provided with opportunities to clarify philosophical and psychological bases of teaching-learning, to examine recent educational developments, and to grow in the spirit and skills of inquiry. Electives from education and non-education courses make possible a total program planned in relation to special needs and aspirations of the student.

### *Requirements:*

#### 1. Undergraduate Requirements in Education

- a. Certification as an elementary public school teacher
- OR

- b. Courses in the following areas (total: 12 hours):

- 1) Educational Psychology or  
Human Growth and Development (3 hrs.)
- 2) Organization and Curriculum of the Elementary School (6 hrs.)
- 3) Three hours chosen from the following areas:
  - a) History of Education
  - b) Foundations of Education

NOTE: These courses cannot be used to meet part of the formal elective requirements for the degree as defined below.

#### 2. Course Requirements for the Degree. They may be met by completing either one of the following two plans of study:

- a. Plan A. Master of Education with Thesis (Minimum 30 semester hours)

- 1) Required Courses (12 hours)
  - a) Educ 503 Educational Ideas in Historical Perspective (3 hrs.)
  - b) Educ 595 Introduction to Research in Education (3 hrs.)
  - c) Educ 599 Master of Education Thesis (3 hrs.)
  - d) Psyc 501 Developmental Psychology (3 hrs.)  
(Formerly Human Growth & Development — Advanced)

- 2) Elective Courses (18 hours)

- a) Twelve hours must be earned in departments other than education.
- b) Six hours must be earned in education courses.
- c) At least six hours must be selected from courses numbered 500-599.

- b. Plan B. Master of Education without Thesis (Minimum 33 semester hours)
  - 1) Required Courses (12 hours)
    - a) Educ 503 Educational Ideas in Historical Perspective (3 hrs.)
    - b) Educ 595 Introduction to Research in Education (3 hrs.)
    - c) Educ 575 Seminar in Elementary Education (3 hrs.)
    - d) Psyc 501 Developmental Psychology (3 hrs.)  
(Formerly Human Growth & Development—Advanced)
  - 2) Elective Courses (21 hours)
    - a) Twelve or more hours must be earned in departments other than Education.
    - b) Six hours must be earned in education courses.
    - c) At least six hours must be selected from courses numbered 500-599.

### **THE MASTER OF EDUCATION IN GUIDANCE AND COUNSELING**

The purpose of the Graduate Program in Guidance and Counseling is to develop professionally responsible individuals who are capable of facilitating a counselee's personal growth and development. He is trained to help his client to explore his educational, vocational and personal goals and seeks to facilitate the counselee's development of a meaningful course of action in these areas. The training program requires an understanding of psychological principles and reflects professional practices and responsibilities consistent with current research findings.

#### **Requirements:**

- 1. Undergraduate Requirements in Psychology (total: 9 hours)  
The following courses or their equivalents are required of all candidates for admission to the program:
  - a. Introduction to Tests and Measurements (3 hrs.)
  - b. Introduction to and Analysis of Interpersonal Relationships (3 hrs.)
  - c. Systems and Techniques of Counseling Practice (3 hrs.)
- 2. Course Requirements for the Degree (Minimum 33 semester hours)
  - a. Required courses for all candidates (6 hours)
    - 1) Educ. 503 Educational Ideas in Historical Perspective (3 hrs.)
    - 2) Psyc. 501 Developmental Psychology (3 hrs.)  
(Formerly Human Growth & Development—Advanced)
  - b. For students whose goals are related to the elementary school age child, the following courses are required: (15 hours)
    - 1) Psyc. 511 Principles of Guidance (3 hrs.)
    - 2) Psyc. 512 Analysis of the Individual (3 hrs.)

- 3) Psyc. 523 Counseling Practicum I (3 hrs.)
- 4) Psyc. 530 Communication Media I (3 hrs.)
- 5) Psyc. 531 Communication Media II (3 hrs.)
- c. For students whose goals are related to the secondary school age child, the following courses are required: (15 hours)
  - 1) Psyc. 511 Principles of Guidance (3 hrs.)
  - 2) Psyc. 512 Analysis of the Individual (3 hrs.)
  - 3) Psyc. 417 Occupational and Educational Information (3 hrs.)
  - 4) Psyc. 523 Counseling Practicum I (3 hrs.)
  - 5) Psyc. 525 Guidance Practicum II (3 hrs.)
- d. For students whose goals are related to counseling in non-educational facilities, the following courses are required: (6 hours)
  - 1) Psyc. 523 Counseling Practicum I (3 hrs.)
  - 2) Psyc. 525 Guidance Practicum II (3 hrs.)
- e. Elective Courses
  - These must be chosen from courses approved by the student's adviser. With his approval, they may be selected from departments other than Psychology.

3. Each candidate for advancement to degree candidacy will be interviewed by a committee of graduate faculty members in order to investigate thoroughly his qualifications and aptitude for a career in counseling. This interview plays an important part in the process of selecting candidates for the degree.

#### **THE MASTER OF EDUCATION IN MUSIC EDUCATION**

The Master of Education Degree Program in Music Education incorporates the faculties, physical facilities, and course offerings of both Towson State College and Morgan State College. In addition to a beneficial interaction between the two institutions, this cooperative Master's Degree program offers the student broader and deeper understandings in realizing his professional goals. Most basic courses will be offered at both institutions; and, in such cases, textbooks and syllabi of comparable content will be used. However, certain required courses and certain elective courses will be offered on only one campus.

#### **Requirements:**

1. Undergraduate Requirements in Education and Music
  - a. Hold a Bachelor's degree from an accredited college or university and certification as a public school music teacher
    - OR
    - Hold a Bachelor's degree from an accredited college or university with a minimum of 49 credits in undergraduate music courses.

- b. Grade point average of 3.0 or better in music courses
- c. Be interviewed by the graduate music faculty

2. Course Requirements for the Degree. These may be met by completing one of the following two plans of study:

- a. Plan A. Master of Education in Music Education with Thesis (Minimum 30 semester hours)
  - 1) Required Courses (12 hours) — *Offered at both Towson and Morgan*
    - a) Educ 503 Educational Ideas in Historical Perspective (3 hrs.)
    - b) Psyc 501 Developmental Psychology (3 hrs.)
    - c) Musc 595 Research in Music and Music Education (3 hrs.)
    - d) Musc 501 Seminar in Current Trends in Music and Music Education (3 hrs.)
  - 2) Required Courses (3 hours) (Select one)  
*Offered only at Towson*
    - a) Musc 561 Seminar in Choral Music (3 hrs.)  
*Offered only at Morgan*
    - b) Musc 562 Seminar in Instrumental Music (3 hrs.)
  - 3) Musc 590 Thesis (3 hrs.)  
This requirement may be met in one of the following ways:
    - a) By writing a thesis dealing with a selected problem in Music or Music Education
    - b) By writing an original composition of major proportions and a paper concerning salient aspects of the composition
    - c) By presenting a full recital on the graduate level
  - 4) Elective Courses (12 hours) (Selected from three areas)
    - Area I (3-6 hours) *Offered only at Towson*
      - a) Musc 403 Music of the Classical Period (3 hrs.)
      - b) Musc 404 Music of the Romantic Period (3 hrs.)
      - c) Musc 405 Contemporary Music (3 hrs.)
      - d) Musc 411 Survey of Opera (3 hrs.)
      - e) Musc 421 American Music (3 hrs.)
    - Area I (3-6 hours) *Offered only at Morgan*
      - a) Musc 406 Music Prior to 1600 (3 hrs.)
      - b) Musc 407 Music of the Baroque Period (3 hrs.)
      - c) Musc 412 Advanced Choral Literature (3 hrs.)
      - d) Musc 415 Symphonic Literature (3 hrs.)
      - e) Musc 424 Evolution of Afro-American Music (3 hrs.)
      - f) Musc 426 Seminar in Non-Western Music (3 hrs.)
    - Area II (3-6 hours)  
*Offered at both Towson and Morgan*
      - a) Musc 435 Form and Analysis (3 hrs.)

- b) Musc 535 Advanced Choral and Instrumental Arranging (3 hrs.)

*Offered only at Towson*

- a) Musc 433 Advanced Theory (3 hrs.)

- b) Musc 539 Music Composition (3 hrs.)

*Offered only at Morgan*

- a) Musc 537 Advanced Orchestration (3 hrs.)

- b) Musc 540 Electronic Music (3 hrs.)

**Area III (3-6 hours)**

*Offered at both Towson and Morgan*

- a) Musc 407 Advanced Course, Music in the Elementary School (3 hrs.)

- b) Musc 400 Organization and Administration of Music Education (3 hrs.)

- c) Musc 471 through

Musc 488 Private Instruction: Piano, Instrumental, Voice, Composition (1-3 hrs.)

- d) Musc 571 through

Musc 588 Private Instruction: Piano, Instrumental, Voice, Composition (1-3 hrs.)

*Offered only at Towson*

- a) Musc 425 Advanced Percussion (3 hrs.)

*Offered only at Morgan*

- a) Musc 428 Opera Workshop (3 hrs.)

- b) Musc 429 Musical Theatre (3 hrs.)

- c) Musc 453 Vocal Pedagogy (3 hrs.)

- d) Musc 454 Piano Pedagogy (3 hrs.)

- e) Musc 467 Advanced Strings (3 hrs.)

- f) Musc 468 Advanced Brass (3 hrs.)

- g) Musc 478 Advanced Woodwinds (3 hrs.)

- h) Musc 489 The Art of Accompanying (3 hrs.)

- b. Plan B. Master of Education in Music Education without Thesis (Minimum 33 semester hours plus a research paper in one of the seminar courses)

- 1) Required Courses (15 hours)

Same as above, but does not require Musc 590 Thesis

- 2) Elective Courses (18 hours)

Area I As above (3-9 hours)

Area II As above (3-9 hours)

Area III As above (3-9 hours)

## THE MASTER OF EDUCATION IN READING

The Master of Education Degree Program in Reading is a program offered cooperatively by Towson State College and Morgan State College. It is designed to offer experiences that will improve the teaching of reading at all levels from kindergarten through college. Specifically, the program seeks to offer courses in reading for teachers and administrators who are interested in improving their knowledge of reading and to prepare reading clinicians to teach developmental, corrective, and remedial reading. Furthermore, the program is designed to prepare reading specialists who will be capable of filling leadership roles in reading improvement programs in schools and clinics.

### Requirements:

1. Undergraduate Requirements in Education
  - a. Bachelor's degree from an accredited college or university
  - b. Minimum scholastic average of 3.0 or eligibility through the Qualifying Program
2. Course Requirements for the Degree. (Master's Degree without thesis—minimum 33 semester hours) These requirements may be met by completing the following:
  - a. Required Reading Courses (12 hours)  
*T* indicates course offered at Towson State College  
*M* indicates course offered at Morgan State College
    - 1) T Educ 541 Methods and Materials in Teaching Reading in Elementary Schools (3 hrs.)
    - 2) T Educ 517 Reading Disabilities (3 hrs.)
    - 3) T Educ 583 Clinic Practicum in Reading (3 hrs.)
    - 4) T Educ 571 Seminar in Reading (3 hrs.)  
*M* Educ 507 Seminar in Reading (3 hrs.)
  - b. Additional Required Courses (12 hours)
    - 1) T Educ 503 Educational Ideas in Historical Perspective or  
*M* Educ 504 Introduction to Educational Research (3 hrs.)
    - 2) T Psyc 501 Developmental Psychology (3 hrs.)
    - 3) T Psyc 410 Tests and Measurements (3 hrs.)
    - 4) T Psyc 553 Advanced Mental Hygiene (3 hrs.)
  - c. Elective Courses (9 hours)
    - 1) M Eng 561 Introduction to Linguistics (3 hrs.)
    - 2) M Eng 590 Phonetics of American English (3 hrs.)
    - 3) T Psyc 511 Principles of Guidance (3 hrs.)
    - 4) T Educ 417 Children's Literature or  
T Educ 418 Juvenile Literature (3 hrs.)

- 5) M Educ 505 Supervision and Curriculum in Reading (3 hrs.)
- 6) T Educ 597 Evaluation of Reading Research (3 hrs.)
- 7) M Educ 508 Teaching Reading in the Secondary Schools (3 hrs.)
- 8) T Eng 430 History of the English Language (3 hrs.)

NOTE 1: The "Clinic Practicum in Reading" will be a practicum course taught at Towson State College.

NOTE 2: The "Seminar in Reading" course will be one of the final courses in the sequence. This course will be taught at Morgan State College by professors from both Towson State College and Morgan State College. Consultants from other disciplines (medical, social, etc.) will also be invited to lecture to this advanced group.

NOTE 3: The elective courses may be taken at either Towson State College or Morgan State College with the permission of the director of the respective program.

NOTE 4: Other elective courses may be substituted with the permission of the director of the respective program.

#### *THE MASTER OF EDUCATION IN SCHOOL PSYCHOLOGY*

The Master of Education Degree Program in School Psychology aims, simultaneously, toward two specific goals. First it prepares qualified students in theoretical considerations and trains them in clinical skills required for certification as a school psychologist. Because of the broad application of these skills, the students are, at the same time, being prepared to function in other clinical settings as well. Second, it seeks to prepare students for more advanced graduate study in the clinical area.

#### *Requirements:*

1. Undergraduate Requirements in Psychology (total: 27 hours)
  - a. Courses in the following areas:
    - 1) Six hours chosen from the following:
      - a) General Psychology (3 hrs.)
      - b) Educational Psychology or  
Human Growth and Development (3 hrs.)
      - c) Child Psychology (3 hrs.)
      - d) Adolescent Psychology (3 hrs.)
    - 2) Three hours chosen from the following:
      - a) Mental Hygiene (3 hrs.)
      - b) Abnormal Psychology (3 hrs.)

- 3) Three hours chosen from the following:
  - a) Systems of Psychology (3 hrs.)
  - b) History of Psychology (3 hrs.)
- 4) Experimental Psychology (3 hrs.)
- 5) Personality (3 hrs.)
- 6) Personality Measurement (3 hrs.)
- 7) Tests and Measurements (3 hrs.)
- 8) Behavioral Statistics (3 hrs.)

NOTE: These courses cannot be used to meet part of the formal elective requirements for the degree as defined in Paragraph 2 below.

2. Course Requirements for the Degree. They may be met by completing either one of the following two plans of study:
- a. Plan A. Master of Education with Thesis (Minimum 30 semester hours)

- 1) Required Courses

- a) Psyc 506 Advanced Abnormal Psychology (3 hrs.)
    - b) Psyc 513 Psychodynamics of Human Behavior (3 hrs.)
    - c) Psyc 541 Systems of Psychotherapy (3 hrs.)
    - d) Psyc 515 Projectives I (3 hrs.)
    - e) Psyc 516 Projectives II (3 hrs.)
    - f) Psyc 486 Advanced Experimental Design (3 hrs.)
    - g) Psyc 415 Individual Intelligence Testing (3 hrs.)
    - h) Psyc 521 Practicum I (3 hrs.)
    - i) Psyc 522 Practicum II (3 hrs.)
    - j) Psyc 591 Proseminar (3 hrs.)

NOTE: When this plan is adopted by the student, 3 credits of the above required courses may be waived.

- b. Plan B. Master of Education without Thesis (Minimum 33 or 34 semester hours)

1. Required Courses

- a) Psyc 506 Advanced Abnormal Psychology (3 hrs.)
    - b) Psyc 513 Psychodynamics of Human Behavior (3 hrs.)
    - c) Psyc 541 Systems of Psychotherapy (3 hrs.)
    - d) Psyc 515 Projectives I (3 hrs.)
    - e) Psyc 516 Projectives II (3 hrs.)
    - f) Psyc 486 Advanced Experimental Design (3 hrs.)
    - g) Psyc 415 Individual Intelligence Testing (3 hrs.)
    - h) Psyc 521 Practicum I (3 hrs.)
    - i) Psyc 522 Practicum II (3 hrs.)
    - j) Psyc 591 Proseminar (3 hrs.)
    - k) Psyc One additional elective (3 hrs.)

NOTE: A student may substitute certain approved electives at the 400 or 500 level, provided he is able to demonstrate satisfactory proficiency in any of the above required courses.

3. Each candidate for Advancement to Degree Candidacy will be interviewed by a committee of graduate faculty members in order to investigate thoroughly his qualifications and aptitude for a career in School Psychology.
4. Comprehensive Examination. A student may apply to take the Comprehensive Examination in the School Psychology Program when he is in the last semester of course work. This examination will be either oral or subjective at the discretion of the department. Areas of examination will be drawn from the required courses and the reading lists given to each student at the time of his admission to the program.

### *THE MASTER OF EDUCATION IN SECONDARY EDUCATION*

The Master of Education Degree Program in Secondary Education is designed to help teachers develop competencies that will contribute to their success in their educational responsibilities. The program provides advanced study in the general areas of education, psychology, and a teaching field. Opportunities are given for the graduate student to pursue certain areas of interest through provisions for elective courses.

#### *Requirements:*

1. Undergraduate Requirements in Education
  - a. Certification as a secondary public school teacher  
OR
  - b. Courses in the following areas (total: 10 hours):
    - 1) Educational Psychology or  
Human Growth and Development (3 hrs.)
    - 2) Principles and Methods in Secondary Education (4 hrs.)
    - 3) Three hours chosen from the following areas:
      - a) History of Education
      - b) Foundations of Education

NOTE: These courses cannot be used to meet part of the formal elective requirements for the degree as defined below.

2. Course Requirements for the Degree. They may be met by completing either one of the following two plans of study:
  - a. Plan A. Master of Education with Thesis (Minimum 30 semester hours)
    - 1) Required Courses (12 hours)
      - a) Educ 503 Educational Ideas in Historical Perspective (3 hrs.)
      - b) Educ 595 Introduction to Research in Education (3 hrs.)

- c) Educ 599 Master of Education Thesis (3 hrs.)
- d) Psyc 501 Developmental Psychology (3 hrs.)  
(Formerly Human Growth & Development—Advanced)
- 2) Elective Courses (18 hours)
  - a) Twelve or more hours must be earned in departments other than Education.
  - b) At least six hours must be selected from courses numbered 500-599.
- 3) Students must present an area of specialization (within the 18 hours of elective courses specified above) in a non-Education field. A sequence of courses to meet this requirement must be approved by the student's adviser and recorded on the Program of Study form.

b. Plan B. Master of Education without Thesis (Minimum 33 hours)

- 1) Required Courses (12 hours)
  - a) Educ 503 Educational Ideas in Historical Perspective (3 hrs.)
  - b) Educ 595 Introduction to Research in Education (3 hrs.)
  - c) Educ 577 Seminar in Secondary Education (3 hrs.)
  - d) Psyc 501 Developmental Psychology (3 hrs.)  
(Formerly Human Growth & Development—Advanced)
- 2) Elective Courses (21 hours)
  - a) Fifteen or more hours must be earned in departments other than Education.
  - b) At least six hours must be selected from courses numbered 500-599.
- 3) Students must present an area of specialization in a non-Education field. A sequence of courses to meet this requirement must be approved by the student's adviser and recorded on the Program of Study form.

#### ***THE MASTER OF EDUCATION IN URBAN TEACHING***

The Master of Education Degree Program in Urban Teaching is designed to prepare students who have had little or no professional training to teach in the inner city schools of large metropolitan areas such as Baltimore City. Program graduates will be fully certified to teach in the State of Maryland and in their area of specialization.

##### ***Requirements:***

###### **1. Undergraduate Requirements in Education**

There are no specific undergraduate requirements for admission to this program.

2. Course Requirements for the Degree. They may be met by completing the following:
  - a. For Elementary Teachers (43 hours)
    - 1) Educ 503 Educational Ideas in Historical Perspective (3 hrs.)
    - 2) Educ 595 Introduction to Research in Education (3 hrs.)
    - 3) Educ 599 Master of Education Thesis or  
Educ 575 Seminar in Elementary Education (3 hrs.) — if student does not elect the thesis
    - 4) Psyc 501 Developmental Psychology (3 hrs.)
    - 5) Edpm 480-481 Psychological Foundations (3 hrs.)
    - 6) Edpm 484-485 Sociological Foundations of Urban Education (3 hrs.)
    - 7) Edpm 486-487 Integrated Field Experiences. Each Course 2 Sem. Hrs.
    - 8) Edpm 488-489 Communication Skills (3 hrs.)
    - 9) Edpm 490-491 Methods and Materials in Elementary Education (6 hrs.)
    - 10) Edpm 496-497 Seminar in Instructional Aids and Resources (4 hrs.)
    - 11) Edpm 498.1-499.1 Internship in Teaching (Elementary) (12 hrs.)
  - b. For Secondary Teachers (43 hours)
    - 1) Educ 503 Educational Ideas in Historical Perspective (3 hrs.)
    - 2) Educ 595 Introduction to Research in Education (3 hrs.)
    - 3) Educ 599 Master of Education Thesis or  
Educ 577 Seminar in Secondary Education (3 hrs.) — if student does not elect the thesis
    - 4) Psyc 501 Developmental Psychology (3 hrs.)
    - 5) Edpm 480-481 Psychological Foundations (3 hrs.)
    - 6) Edpm 484-485 Sociological Foundations of Urban Education (3 hrs.)
    - 7) Edpm 486-487 Integrated Field Experiences. Each Course 2 Sem. Hrs.
    - 8) Edpm 488-489 Communications Skills (3 hrs.)
    - 9) Edpm 492-493 Methods and Materials in Social Studies in the Secondary Schools or  
Edpm 494-495 Methods and Materials in English in the Secondary Schools (6 hrs.)
    - 10) Edpm 496-497 Seminar in Instructional Aids and Resources (4 hrs.)
    - 11) Edpm 498.2-499.2 Internship in Teaching (Secondary) — Social Studies or  
Edpm 498.3-499.3 Internship in Teaching (Secondary) — English (12 hrs.)

## COURSE DESCRIPTIONS

Course descriptions for all 400- and 500-level courses offered by the College and applicable to graduate students are listed in this section of the Bulletin.

Courses offered in any session are selected from the courses listed. Students should consult the course schedules issued by the Registrar's Office and the Evening and Summer School Office to determine the courses offered in a particular session.

Each department of the College has one or more code numbers and abbreviations for each general subject area (e.g., French in the Modern Language Department). The code abbreviations are shown in parenthesis at the head of the course listings. The code numbers form a two digit Subject Classification Number, which precedes a three digit Course Classification Number, forming a five digit Course Number. Each course has a distinctive number.

Semesters of a year course whose numbers are separated by a hyphen are to be taken in sequence. When course numbers are separated by a comma, either semester may be taken independently of the other.

## ART

### ART COURSES (ART)

12.405 ART PRINCIPLES AND CRITICISM	2 Sem. Hrs.
Principle concepts of art; theories of perception and aesthetics; application of theories to the interpretation of specific works of art. <i>Prerequisite:</i> ART 12.203, 12.321 or 12.322.	
*12.414-12.415 ADVANCED STUDIO	Each Course 2-4 Sem. Hrs.
Practice for advanced students in their fields of special interests. <i>Prerequisite:</i> Written Consent of Department Chairman. STUDIO FEE \$10.00.	
12.423 PICASSO TO THE PRESENT	3 Sem. Hrs.
Art history 1900 to the present. Slide lectures, directed readings and museum trips. <i>Prerequisite:</i> ART 12.321, 12.322.	
*12.429 OIL PAINTING AND RELATED MEDIA	
Continued studio experiences in painting. <i>Prerequisite:</i> ART 12.329 or Consent of Instructor. STUDIO FEE \$10.00.	

\* Courses require a minimum of 3 hours of additional work per week.

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*12.430 WATERCOLOR & RELATED MEDIA	3 Sem. Hrs.
Continued studio experiences in painting. <i>Prerequisite: ART 12.330. STUDIO FEE \$10.00.</i>	
*12.431 CERAMICS	3 Sem. Hrs.
Continued studio experiences in ceramics. <i>Prerequisite: ART 12.331. STUDIO FEE \$10.00.</i>	
*12.440 SCULPTURE	3 Sem. Hrs.
Continued studio experiences in sculpture. <i>Prerequisite: ART 12.340. STUDIO FEE \$10.00.</i>	
12.449 INTAGLIO PROCESS	2 Sem. Hrs.
Personal expression in print making, etching, drypoint, aquatint, engraving and other intaglio processes. <i>Prerequisite: ART 12.103, 12.211 or Consent of Instructor. STUDIO FEE \$10.00.</i>	
12.451 LITHOGRAPHIC PROCESS	2 Sem. Hrs.
Personal expression through printing from litho stones and plates. <i>Prerequisite: ART 12.103, 12.211 or Consent of Instructor. STUDIO FEE \$10.00.</i>	
12.471 ADVANCED ART EDUCATION	3 Sem. Hrs.
Major art education problems at all levels; materials and skills in relation to classroom needs <i>Prerequisite: ART 12.371 or Equivalent.</i>	
12.481 JEWELRY	2 Sem. Hrs.
Investigation into aesthetics, history, function and design of jewelry. Lecture and directed studio problems in forming, joining and finishing of metallic and non-metallic materials. <i>Prerequisite: ART 12.103 or Consent of Instructor.</i>	
12.485 SEMINAR IN ART HISTORY	2 Sem. Hrs.
Intensive analysis of a defined historical period of stylistic development in art. Directed readings in both period and contemporary sources. Discussions and examination of works in museums and galleries. <i>Prerequisite: ART 12.321, 12.322 or Consent of Instructor.</i>	
12.511 DRAWING	2 Sem. Hrs.
Advanced problems in expressive draftsmanship. <i>Prerequisite: ART 12.311 or Consent of Instructor.</i>	
*12.514-12.515 GRADUATE STUDIO	Each Course 2-4 Sem. Hrs.
Independent work in field of special interest with weekly criticism by staff. <i>Prerequisite: Undergraduate work in field of specialization, Consent of Department Chairman. STUDIO FEE \$10.00.</i>	
*12.529 OIL PAINTING	3 Sem. Hrs.
For students with previous experience in painting; consideration of current trends and styles; studio work, museum visits, lectures. <i>Prerequisite: ART 12.329, 12.429 or Equivalent. STUDIO FEE \$10.00.</i>	
*12.530 WATERCOLOR	3 Sem. Hrs.
Consideration of current trends and outstanding painters and styles. Studio work, museum visits, lectures. <i>Prerequisite: ART 12.330, 12.430, or Equivalent or Consent of Instructor. STUDIO FEE \$10.00.</i>	
*12.531 CERAMICS	3 Sem. Hrs.
Advanced work in ceramic design and techniques of glazes, clay bodies, firing. <i>Prerequisite: ART 12.331, 12.431 or Equivalent. STUDIO FEE \$10.00.</i>	
*12.540 SCULPTURE	3 Sem. Hrs.
For students with previous experience in sculpture; consideration of current trends and styles; studio work, museum visits, lectures. <i>Prerequisite: ART 12.340, 12.440 or Equivalent. STUDIO FEE \$10.00.</i>	
12.551 GRAPHICS: INTAGLIO, RELIEF	2 Sem. Hrs.
Studio work for artists with a basic knowledge of intaglio and/or relief processes. Aspects of mixed media explored. <i>Prerequisite: ART 12.349 or 12.449 or Equivalent. STUDIO FEE \$10.00.</i>	
12.553 GRAPHICS: LITHOGRAPHY, SERIGRAPHY	2 Sem. Hrs.
Studio work for artists with a basic knowledge of Lithography and/or Serigraphy. <i>Prerequisite: ART 12.347 or 12.451 or Equivalent.</i>	

\*Courses require a minimum of 3 hours of additional work per week.

12.585 SEMINAR IN ART EDUCATION	3 Sem. Hrs.
Investigation of problems in Art Education and related fields. Examination of theories of Art and Art Education; discussion of forces affecting contemporary Art Education. <i>Prerequisite:</i> Consent of Instructor.	
12.595 RESEARCH IN ART AND ART EDUCATION	3 Sem. Hrs.
Methods of research applicable to art and art education. Examination of recent research in this field. Students will explore areas of their choice. <i>Prerequisite:</i> Consent of Instructor.	
12.599 ART THESIS: CREATIVE PROJECT	3 Sem. Hrs.
If approved, student will pursue his project resulting in an exhibition of his work plus a paper defining the project's scope and philosophy. <i>Prerequisite:</i> ART 12.580 and Consent of Instructor.	

## AUDIOVISUAL COMMUNICATIONS

### AUDIOVISUAL COMMUNICATIONS COURSES (AVCO)

13.433 INSTRUCTIONAL TELEVISION	3 Sem. Hrs.
This course is concerned with ITV systems and terminology, the ITV movement, elements of production, classroom utilization of the ITV product, developing the ITV workshop, careers in ITV, and aspects of administration, philosophy, evaluation, and research in ITV. Class projects and the utilization of television equipment play a vital role in the course. LAB FEE \$5.00.	
13.485 SEMINAR WORKSHOP IN EDUCATIONAL TECHNOLOGY	3 Sem. Hrs.
Special problems in educational technology are treated including the philosophy, scope, planning and techniques of the preparation and production of selected types of photographic and related graphic audiovisual materials. Computer assisted instruction, dial access and information and retrieval systems, simulators and trainers as well as significant developments in "hardware" and "software" are also stressed. <i>Prerequisite:</i> 3 hours of audiovisual communications or departmental approval. LAB FEE \$5.00.	
13.487 THEORY & TECHNIQUES OF LINEAR PROGRAMMING	3 Sem. Hrs.
Acquaints students with philosophy and principles of linear programming; analysis and evaluation of commercially prepared and instructor-made programs; instructional utilization; current research, developments, and trends. An opportunity is provided for the student to develop a linear program in his own area of concentration. <i>Prerequisite:</i> Teaching experience and departmental approval. LAB FEE \$5.00.	
13.488 THEORY & TECHNIQUES OF INTRINSIC PROGRAMMING	3 Sem. Hrs.
Acquaints students with philosophy and principles of intrinsic programming; analysis and evaluation of commercially prepared and instructor-made programs; instructional utilization; current research, developments, and trends. An opportunity is provided for the student to develop an intrinsic program in his own area of concentration. <i>Prerequisite:</i> Teaching experience and AVCO 13.487. LAB FEE \$5.00.	
13.501 ORGANIZATION, ADMINISTRATION & SUPERVISION OF THE AUDIOVISUAL COMMUNICATIONS PROGRAM	3 Sem. Hrs.
Organizational patterns, management procedures, and supervisory methods and techniques for audiovisual communications programs are considered. Major topics include: facilities; finance; selection, procurement, security and basic maintenance of equipment and materials; center operation; extension and in-service programs; assessments of systems and programs; and public relations. <i>Prerequisite:</i> Six hours of audiovisual or departmental approval.	
13.589 INTERNSHIP IN AUDIOVISUAL ADMINISTRATION	3 Sem. Hrs.
Practical experience in audiovisual administration is provided. The intern will work cooperatively under the direction of an appropriate College audiovisual faculty member and an appropriate	

audiovisual field supervisor. He will engage in all aspects of the school system program as related to audiovisual communications. In addition, he will become familiar, through visitation, with State and national audiovisual communications programs. *Prerequisite:* 6 hours of audiovisual communications and departmental approval. LAB FEE \$5.00.

13.595 THEORY AND RESEARCH IN AUDIOVISUAL COMMUNICATIONS 3 Sem. Hrs.  
Basic elements of communications theory are studied and applied to audiovisual communications. Relationships between the learning process and perception are reviewed in terms of communications. Selected communications systems are examined and research in audiovisual communications is analyzed and discussed. *Prerequisite:* 6 hours of audiovisual or departmental approval. LAB FEE \$5.00.

## BIOLOGICAL SCIENCES

### BIOLOGY COURSES (BIOL)

14.401 FIELD NATURAL SCIENCE 4 Sem. Hrs.  
A study of various natural environments to determine their physical and biological components and to understand the relationship of these forms to one another and to man. Emphasis is on field observation. An average of three laboratory hours per week.

14.403 GENERAL ECOLOGY 3 Sem. Hrs.  
Basic principles of ecology. Interrelationships between animals and plants and their natural environments, emphasizing the specific biomes available for study in Maryland. Studies will be based on observations and data collected in the field. An average of two laboratory hours per week.

14.405 WILDLIFE BIOLOGY 4 Sem. Hrs.  
Important wildlife species with emphasis on aspects of research and management. Specific techniques and problems are studied in the field. Average of two hours per week in laboratory and field work. *Prerequisite:* Consent of Instructor.

14.407 MICROBIOLOGY 4 Sem. Hrs.  
Principally a laboratory course investigating such groups of organisms as bacteria, protozoa, and lower plant forms, with emphasis on bacteria. Average of three laboratory hours per week. *Prerequisite:* CHEM 22.201, 22.202, may be taken concurrently.

14.409 CELL BIOLOGY 4 Sem. Hrs.  
A study of the molecular and morphological organization of the cell in relationship to functions of the cell organelles. An average of three laboratory hours per week. *Prerequisite:* BIOL 14.204, 14.214, CHEM 22.218.

14.411 GENETICS 4 Sem. Hrs.  
Heredity and variation, and their application to evolution and development. Gene action at the morphological, physiological and biochemical levels. Laboratory work entails use of *Drosophila*, corn, and *Neurospora* in the application of genetic principles. Average of two laboratory hours per week. *Prerequisite:* CHEM 22.202, MATH 50.115 or Consent of Instructor.

14.412 ADVANCED GENETICS 3 Sem. Hrs.  
Emphasis on the molecular basis of gene action. Discussion of current work and methods related to the problem of gene structure, function, and mutation including the translation and regulation of genetic information. *Prerequisite:* BIOL 14.411.

14.421 MICROTECHNIQUE 3 Sem. Hrs.  
Techniques used in preparation of plant and animal tissues for histological examination. Average of two laboratory hours per week. *Prerequisite:* CHEM 22.201, 22.202.

14.422 **HISTOLOGY** 3 Sem. Hrs.  
Tissues of the vertebrate body. Average of two laboratory hours per week. *Prerequisite: BIOL 14.214.*

14.429 **BIOANALYSIS** 3 Sem. Hrs.  
Microscopic and biochemical methods used in determining major components and important contaminants of feeds, spices, stabilizers, adhesives, bakery materials, fats and oils, meat products, crystal mixtures, dairy products, etc. An average of two laboratory hours per week. *Prerequisite: Introductory courses in biology and chemistry or Consent of Instructor.*

14.437 **PLANT PHYSIOLOGY** 4 Sem. Hrs.  
Life functions of plants as related to structure at all levels: cells, organs, and the complete organism. Consideration of the interaction of environmental and genetic factors on plant metabolism. Average of three laboratory hours per week. *Prerequisite: BIOL 14.204, CHEM 22.201, 22.202. CHEM 22.218 recommended.*

14.439 **PLANT ANATOMY** 4 Sem. Hrs.  
Origin and development of organs and tissue systems in vascular plants. Average of three laboratory hours per week. *Prerequisite: BIOL 14.204.*

14.441 **PLANT PATHOLOGY** 4 Sem. Hrs.  
A study of plant diseases, their symptoms, causal agents, etiology, epidemiology, prevention and control. Average of three laboratory hours per week. *Prerequisite: BIOL 14.204.*

14.445 **MYCOLOGY** 4 Sem. Hrs.  
An introductory study of the morphology, classification, life histories, and economic applications of the fungi. Average of three laboratory hours per week. *Prerequisite: BIOL 14.204.*

14.451 **ANIMAL BEHAVIOR** 3 Sem. Hrs.  
The classification and evolutionary aspects of behavior with emphasis on behavioral mechanisms. An average of two laboratory hours per week.

14.453 **INVERTEBRATE ZOOLOGY** 4 Sem. Hrs.  
Aquatic and terrestrial species of phyla from the Protozoa through the Echinodermata with special emphasis on local forms. Insects are not considered. Economic, ecological, and taxonomic considerations. Average of three laboratory hours per week.

14.457 **ORNITHOLOGY** 4 Sem. Hrs.  
Lecture, laboratory, and field course in bird identification, structure, behavior, ecology, and general economic relationships. Emphasis is on birds of the Baltimore area. A banding station is operated in conjunction with the course. Occasional field trips. Average of two laboratory hours per week.

14.459 **MAMMALOGY** 4 Sem. Hrs.  
The evolution, comparative morphology, systematics, and distribution of mammals. Representative life histories are considered. Average of two laboratory hours per week. *Prerequisite: Consent of Instructor.*

14.461 **ENTOMOLOGY** 3 Sem. Hrs.  
Laboratory and field course in insects. Recognition of the more common orders, and a study of their structure, behavior, ecology, economic importance, and control. Average of two laboratory hours per week.

14.463 **ANIMAL EMBRYOLOGY** 4 Sem. Hrs.  
Developmental anatomy and the underlying principles involved in development. This last area will be approached from an experimental base. Average of three laboratory hours per week. *Prerequisite: BIOL 14.214.*

14.465 **ANIMAL PHYSIOLOGY** 4 Sem. Hrs.  
Functioning of animal organ systems, with emphasis on the vertebrate body. Average of three laboratory hours per week. *Prerequisite: BIOL 14.214, CHEM 22.201, 22.202.*

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14.471 ENVIRONMENTAL CONSERVATION OF NATURAL RESOURCES	4 Sem. Hrs.
Basic conservation practices and problems. Soil, water, forest, and wildlife resources with emphasis on interrelationships. Specialists in various phases of local, state, and federal conservation work conduct or assist in the conduct of numerous field trips. Average of two laboratory hours per week.	
14.485, 14.486 SEMINAR: SPECIAL TOPICS IN BIOLOGY	Each Course 1 Sem. Hr.
Study and discussion of topics in a specialized area to be selected by instructor. Areas will vary from semester to semester. <i>Prerequisite:</i> A minimum of 15 semester hours in biology and Consent of Instructor.	
14.487 INTRODUCTION TO RESEARCH	2 Sem. Hrs.
Laboratory work of an advanced nature under the guidance of the Department. Each student will present and defend his work at a seminar. <i>Prerequisite:</i> Consent of Instructor.	
14.489 SELECTED GENERAL PRINCIPLES IN BIOLOGY	3 Sem. Hrs.
Current directions of biological investigations will be discussed together with a treatment of recent contributions to biological areas and principles. Sufficient background will be given to provide coherence and understanding. Three one-hour lectures. <i>Prerequisite:</i> Consent of Instructor.	
14.491 DIRECTED READING IN BIOLOGY	1-3 Sem. Hrs.
Independent reading in an area selected by the student in consultation with the instructor. <i>Prerequisite:</i> A minimum of 10 hours in biology and Consent of Instructor.	
14.493 BIOLOGICAL LITERATURE	2 Sem. Hrs.
Familiarization with the literature of biology through the preparation of papers requiring a knowledge of techniques for exploring the literature. Two one-hour lectures per week. <i>Prerequisite:</i> At least 6 hours of biology.	
14.496 INDEPENDENT RESEARCH IN BIOLOGY	2-3 Sem. Hrs.
Independent investigation of a problem under the supervision of a staff member culminating in a written presentation. <i>Prerequisite:</i> A minimum of 15 semester hours in biology and Consent of Instructor.	
14.497, 14.498 HONORS RESEARCH IN BIOLOGY	Each Course 2 Sem. Hrs.
Individual research of an extensive nature under the direction of a staff member, culminating in an honors thesis. Credit for 14.497 not awarded until 14.498 is successfully completed. <i>Prerequisite:</i> Open only to advanced honors candidates and by Consent of Instructor.	
14.501 CURRENT TOPICS IN BIOLOGY	3 Sem. Hrs.
Discussion of current topics in a specific area of biology. The area will vary each semester; therefore this course may be taken more than once. <i>Prerequisite:</i> A suitable background in the area emphasized and Consent of Department.	
14.503 ADVANCED CONCEPTS IN BIOLOGY	3 Sem. Hrs.
An advanced study of current literature pertaining to significant concepts and principles in biology. Primarily for students planning a concentration in biology. <i>Prerequisite:</i> A basic background in biology and Consent of Department.	

## BUSINESS ADMINISTRATION

### BUSINESS ADMINISTRATION COURSES (BUAD)

16.401-16.402 CONTEMPORARY BUSINESS PROBLEMS	Each Course 3 Sem. Hrs.
A seminar course designed to challenge the student's ability to form soundly developed business decisions. The emphasis is on relating the appropriate marketing, financial and production information available to management. <i>Prerequisite:</i> Nine hours of upper level BUAD credits.	
16.421 ADMINISTRATIVE ANALYSIS	3 Sem. Hrs.
Techniques of increasing management efficiency, including organizational analysis, systems analysis, time and motion study, automatic data processing, and feasibility studies. <i>Prerequisite:</i> BUAD 16.202, 16.205.	

# ECONOMICS, POLITICAL SCIENCE AND SOCIOLOGY

## ECONOMICS COURSES (ECON)

24.404 HISTORY OF ECONOMIC THOUGHT 3 Sem. Hrs.  
Development of economic theory; eighteenth and nineteenth century classical schools. Modern economic literature on price, investment, and employment. *Prerequisite:* ECON 24.203.

24.407 BUSINESS CYCLES AND FORECASTING 3 Sem. Hrs.  
Changes in levels of income and output, tools and techniques for forecasting the future state of economic activities, and public proposals for controlling economic fluctuations. *Prerequisite:* ECON 24.202, 24.203, 24.324.

24.485 PROSEMINAR ON ECONOMIC ISSUES 3 Sem. Hrs.  
Research and writing of papers on an economic issue selected by the instructor. *Prerequisite:* ECON 24.324, 24.335.

24.489 WORKSHOP ON ECONOMIC EDUCATION 3 Sem. Hrs.  
Designed to help teachers and school administrators gain a better understanding of the economic workings of the society in which we live. *Prerequisite:* Consent of Instructor.

## POLITICAL SCIENCE COURSES (POSC)

68.417 AMERICAN POLITICAL PARTIES 2 Sem. Hrs.  
Origin and development of the American two-party system. The activities of pressure groups and organizations, and their effects upon the party system. *Prerequisite:* POSC 68.206, or HIST 40.221, 40.222.

68.418 CONSTITUTIONAL LAW 3 Sem. Hrs.  
A study of the constitution of the United States based on leading judicial decisions interpreting the constitution and statutes from 1789 to the present. *Prerequisite:* POSC 68.206.

68.426 POLITICAL THEORY 3 Sem. Hrs.  
Political thought in the West from the Greeks to the end of the sixteenth century. *Prerequisite:* HIST 40.121, 40.122 or Consent of Instructor.

68.427 POLITICAL THEORY 3 Sem. Hrs.  
Political philosophers and their writings since the sixteenth century. Attention given to the conflict of ideologies in the twentieth century. *Prerequisite:* HIST 40.121, 40.122 or Consent of Instructor.

68.432 UNITED STATES-SOVIET RELATIONS 3 Sem. Hrs.  
Diplomatic, cultural, and economic relations between the U.S.S.R. and the U.S. Emphasis on the period since 1933 with a careful study of the effects of the Second World War upon the balance of power. *Prerequisite:* HIST 40.121, 40.122, 40.221, 40.222.

68.435 AFRICA IN WORLD POLITICS 3 Sem. Hrs.  
The role of African nations in the nuclear age, and their efforts to achieve unity. *Prerequisite:* HIST 40.122 or Consent of Instructor.

68.440 UNITED STATES FOREIGN POLICY IN SOUTHEAST ASIA 3 Sem. Hrs.  
American foreign policy in Southeast Asia in the Post World War II period. *Prerequisite:* POSC 68.303, HIST 40.221, 40.222.

68.441 CONTEMPORARY UNITED STATES-WESTERN EUROPEAN RELATIONS 3 Sem. Hrs.  
Emphasis will be on NATO, the European Economic Community, and Anglo-American efforts to create an Atlantic partnership between Europe and the United States. *Prerequisite:* Hist 40.122, 40.222.

68.450 GROUP POLITICS AND PUBLIC OPINION	3 Sem. Hrs.
The role of pressure groups and public opinion in the American political system. <i>Prerequisite:</i> Senior Standing with a major in political science, or Consent of Instructor.	
68.455, 456 INTERNATIONAL LAW AND ORGANIZATION	Each Course 3 Sem. Hrs.
An examination of the theories and the development of international law up to the present. The character of the modern state system, the role of international organizations, and international law and resort to force. <i>Prerequisite:</i> POSC 68.303, HIST 40.122.	
68.482 SEMINAR IN POLITICAL SCIENCE	3 Sem. Hrs.
Various methods and techniques of research in political science, culminating in the preparation of a seminar paper. <i>Prerequisite:</i> Eighteen semester hours in political science, or Consent of Instructor.	
68.490 SEMINAR IN CONTEMPORARY UNITED STATES FOREIGN POLICY	3 Sem. Hrs.
An examination of the nature, basis, and instruments of American foreign policy in the contemporary age. The formulation, control, and execution of American foreign policy will also be noted. <i>Prerequisite:</i> 68.303, HIST 40.221, 40.222.	

## SOCIOLOGY COURSES (SOCL)

80.402 SOCIAL MOVEMENTS	3 Sem. Hrs.
General, specific and expressive movements; the forces producing change; the manner in which new social organizations are formed and established. <i>Prerequisite:</i> SOCI 80.201.	
80.403 COLLECTIVE BEHAVIOR	3 Sem. Hrs.
Study of historical and contemporary major unstructured and semi-structured situations; crowds, mobs, riots. <i>Prerequisite:</i> SOCI 80.201.	
80.405 SOCIOLOGY OF EDUCATION	3 Sem. Hrs.
Sociological analysis of education as a basic social institution; formal and informal organizations of education systems; relationship to socialization; major social trends in education; concept of academic freedom. <i>Prerequisite:</i> SOCI 80.201.	
80.407 SOCIOLOGICAL THEORY	3 Sem. Hrs.
Major systems of sociological theory; the works, assumptions, and workings of major European and American schools. <i>Prerequisite:</i> SOCI 80.201.	
80.409 SMALL GROUPS	3 Sem. Hrs.
Formal and informal action in small groups generally characterized by face-to-face interaction; emphasis on leadership, group dynamics and opinion formation. <i>Prerequisite:</i> SOCI 80.201.	
80.456 SOCIAL DEVIANC	3 Sem. Hrs.
Deviance as an aspect of social living; the problem of understanding conformity and deviance; identification of deviants; society's response to deviant behavior. <i>Prerequisite:</i> SOCI 80.201.	
80.485 SEMINAR IN SOCIOLOGY	3 Sem. Hrs.
Exploring and analyzing major areas of sociology. <i>Prerequisite:</i> SOCI 80.407 and Consent of Instructor.	
80.495 RESEARCH METHODS	3 Sem. Hrs.
A consideration of methodology of sociological research; the various steps in conducting research projects, from statement of the problem to final analysis of data. <i>Prerequisite:</i> SOCI 80.201 and PSYC 70.110.	
80.496 INDEPENDENT RESEARCH	3 Sem. Hrs.
Supervised research and sociological investigation leading to preparation of a research project or a supervised laboratory experience in a social agency. <i>Prerequisite:</i> SOCI 80.495 and Consent of Department Chairman.	

# EDUCATION

## EDUCATION COURSES (EDUC)

26.404 COMPARATIVE EDUCATION 3 Sem. Hrs.  
A study of patterns of education in different cultural settings with implications for the student of American education. Emphasis on cross-cultural, political, economic, and social aspects of education. *Prerequisite: EDUC 26.410 or Equivalent.*

26.409 CORRECTIVE READING 3 Sem. Hrs.  
The psychology of reading; methods, principles, techniques, and materials for the classroom teacher in meeting typical learning patterns. Experience in a laboratory center for disadvantaged youth for the development of skill in analysis and correction of reading disabilities. *Prerequisite: EDUC 26.397 and 26.454 or 26.453, or Consent of Instructor (to provide for students who have had different backgrounds and/or experience in the field).*

26.410 FOUNDATIONS OF EDUCATION 3 Sem. Hrs.  
Sociological, philosophical, psychological, and historical foundations of western education. Perspectives in these areas as they relate to current educational issues and practices. Three semester hours credit upon Consent of Department Chairman. *Prerequisite: EDUC 26.390.*

26.411 THE JUNIOR HIGH SCHOOL 3 Sem. Hrs.  
Principles, purposes, functions, and characteristics of the Junior High School, with emphasis upon its organization and curriculum. *Prerequisite: EDUC 26.361.*

26.415 THE MIDDLE SCHOOL 3 Sem. Hrs.  
Functions and characteristics of the middle school; emphasis on nature of transcendent youth (ages 10-14), curriculum, and organizational patterns. *Prerequisite: EDUC 26.334 or 26.360 or 26.380 or 26.381.*

26.417 CHILDREN'S LITERATURE 3 Sem. Hrs.  
Examination of children's books; study of content and form.

26.418 JUVENILE LITERATURE 3 Sem. Hrs.  
Examination of juvenile literature apart from textbooks; criteria for this literature; study of content and form.

26.421 PROBLEMS IN EARLY CHILDHOOD EDUCATION 3 Sem. Hrs.  
Research findings used as a basis for program planning in nursery school, kindergarten, and grades one, two, and three; current trends and issues are considered. *Prerequisite: Student teaching and/or teaching experience in pre-school or primary grades; Junior standing or above. Consent of Department.*

26.423 LABORATORY EXPERIENCES IN EARLY CHILDHOOD EDUCATION 3 Sem. Hrs.  
Classroom experiences with children in pre-school and primary grades in a variety of teaching-learning situations. Analysis of observations in light of current research. *Prerequisite: May be taken concurrently with EDUC 26.421. Junior standing or above. Consent of Instructor.*

26.441 CURRICULUM DEVELOPMENT IN THE ELEMENTARY SCHOOL 3 Sem. Hrs.  
The child and his curriculum. The teacher's role in curriculum as a process. Principles and philosophies of curriculum development. Objectives, practices, materials, and evaluation trends. *Prerequisite: EDUC 26.397.*

26.452 PHILOSOPHY OF EDUCATION 3 Sem. Hrs.  
Philosophic dimensions of the teaching-learning process, as discriminated and discussed by major philosophers and educational philosophers.

26.453 READING AND OTHER LANGUAGE ARTS IN THE ELEMENTARY SCHOOL—  
ADVANCED 2-3 Sem. Hrs.  
Application of theory and research to the teaching of reading and the other language arts. *Prerequisite: EDUC 26.397.*

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26.454 METHODS AND PRINCIPLES OF READING INSTRUCTION — ADVANCED 2-3 Sem. Hrs. Principles involved in building a developmental reading program; prevention of reading difficulties; methods of remedial reading. May not be taken by those who elect EDUC 26.453.

26.463 GUIDANCE IN THE PUBLIC SCHOOL 2-3 Sem. Hrs. Scope and function of a guidance program; the role of the classroom teacher in guidance.

26.464 RECENT TRENDS IN TEACHING 3 Sem. Hrs. Emerging concepts of teaching and organization for instruction. *Prerequisite:* EDUC 26.398 or senior standing with Consent of Instructor.

26.466 CONTEMPORARY ISSUES IN EDUCATION 3 Sem. Hrs. Seminar approach to current issues in education. *Prerequisite:* EDUC 26.398 or senior standing with Consent of Instructor.

26.469 EDUCATIONAL TESTS AND MEASUREMENTS 3 Sem. Hrs. Problems in measurement; principles underlying choice of test instruments, survey of test literature; dealing with test data; constellation and interpretation of tests. Not open to those who have had EDUC 26.307.

26.483 FIELD STUDIES OF THE CHILD AND HIS COMMUNITY 2 Sem. Hrs. Planning and working with groups of children in approved social agencies or making extensive studies of recreational and non-recreational social agencies. Class discussions and field trips.

26.487 TEAM TEACHING — WORKSHOP 3 Sem. Hrs. Conducted to assist teachers who are actively engaged in team teaching or will be participating as members of a team in the future.

26.490 PROGRAMMED INSTRUCTION — WORKSHOP 3 Sem. Hrs.

30.479 CONTEMPORARY MATERIALS FOR TEACHING ENGLISH IN SECONDARY SCHOOLS 3 Sem. Hrs. Application of new materials designed for teaching the language arts in the secondary school including records, films, SRA materials, programmed learning, and television. *Prerequisite:* concurrent with or following EDUC 30.379.

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26.503 EDUCATIONAL IDEAS IN HISTORICAL PERSPECTIVE 3 Sem. Hrs. Current trends and issues in education as reflecting and influencing the social, economic, and political forces in our cultural heritage.

26.507 HOME, SCHOOL, COMMUNITY 3 Sem. Hrs. The interaction between home and school in educational programs for young children; survey and evaluation of various techniques of conferencing and working with parents; study of various agencies contributing to the well-being of young children at home and at school. *Prerequisite:* A course in sociology and consent of the Director of Professional Programs.

26.509 GROWTH AND DEVELOPMENT OF YOUNG CHILDREN 3 Sem. Hrs. Study of findings of current research in growth and development of young children; methods of studying and evaluating behavior; implications of case study data for curriculum improvement. *Prerequisite:* PSYC 70.501 and consent of the Director of Professional Programs.

26.511 SUPERVISION OF STUDENT TEACHING 3 Sem. Hrs. An analysis of the roles of the cooperating teacher, college supervisor, and student teacher; current practices, issues, problems, trends, and evaluation in laboratory experiences, current research. *Prerequisite:* Teaching experience.

26.515 ADMINISTRATION OF THE SECONDARY SCHOOL 3 Sem. Hrs. Analysis of principles of school administration, the administrator's roles and responsibilities, human relations and personnel management, public relations, management of the school unit and curriculum. *Prerequisite:* Three years teaching experience, teacher certification and nine hours of graduate credits.

26.516 ADMINISTRATION OF THE ELEMENTARY SCHOOL 3 Sem. Hrs.  
Analysis of principles of school administration, the administrator's roles and responsibilities, human relations and personnel management, public relations, management of the school unit and curriculum. *Prerequisite:* Three years teaching experience, teacher certification and nine hours of graduate credit.

26.517 READING DISABILITIES 3 Sem. Hrs.  
The content of this course includes the following: causes of reading disabilities; observation and interview procedures; standard and informal tests; report writing; materials and methods of instruction.

26.521 LANGUAGE DEVELOPMENT AND READING IN EARLY CHILDHOOD EDUCATION 3 Sem. Hrs.  
Emphasis on contemporary issues; advanced interpretative and critical evaluations of research in language development and reading instruction in light of basic needs, developmental levels, and individual differences in young children. *Prerequisite:* Undergraduate course in reading and consent of the Director of Professional Programs.

26.525 THEORETICAL AND PRACTICAL BASES OF CURRICULUM DEVELOPMENT — ELEMENTARY 3 Sem. Hrs.  
History of curriculum development in the elementary school; basic considerations affecting curriculum development; patterns of organization; objectives, practices, and evaluation; problems in curriculum development. *Prerequisite:* Consent of Instructor.

26.541 METHODS AND MATERIALS IN TEACHING READING IN THE ELEMENTARY SCHOOL 3 Sem. Hrs.  
Covers trends in methods, materials, and individualized reading designs essential to the organization and administration of a functional reading program. *Prerequisite:* EDUC 26.364 and/or Consent of Instructor.

26.553 PERCEPTUAL & COGNITIVE DEVELOPMENT OF YOUNG CHILDREN 3 Sem. Hrs.  
Survey of significant research affecting the theory and programs of education for children ages three to eight years. *Prerequisites:* PSYC 70.501, EDUC 26.552 or Equivalent and Consent of Department.

26.565 CURRICULUM DEVELOPMENT IN THE SECONDARY SCHOOL 3 Sem. Hrs.  
Principles and philosophies of curriculum development; objectives, practices, and evaluation trends; the teacher's role. *Prerequisite:* Consent of Instructor.

26.573 SEMINAR IN EARLY CHILDHOOD EDUCATION 3 Sem. Hrs.  
Seminar approach to current practices and trends in curriculum, materials, methods, and organization of educational programs for children ages three through eight years. A seminar paper is required. *Prerequisite:* Nine hours of graduate work in early childhood education.

26.575 SEMINAR IN ELEMENTARY EDUCATION 3 Sem. Hrs.  
Seminar approach to current practices and trends in elementary school curriculum, materials, methods, and organization. A seminar paper is required. *Prerequisite:* Nine hours of graduate work in education.

26.577 SEMINAR IN SECONDARY EDUCATION 3 Sem. Hrs.  
Seminar approach to current practices and trends in secondary curriculum, materials, methods, and organization. A seminar paper is required. *Prerequisite:* Nine hours of graduate work in the field of education.

26.581 SEMINAR IN ELEMENTARY SUPERVISION 3 Sem. Hrs.  
Role of the supervisor; supervisory practices and techniques. Students may concentrate in areas related to their professional interests. *Prerequisite:* Nine hours of graduate work in the field of education.

26.582 SEMINAR IN SECONDARY SUPERVISION 3 Sem. Hrs.  
Role of the supervisor; supervisory practices and techniques. Students may concentrate in areas related to their professional interests. *Prerequisite:* Nine hours of graduate work in the field of education.

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26.595 INTRODUCTION TO RESEARCH IN EDUCATION	3 Sem. Hrs.
Research as a method for solving problems. Contributions of research to education. Prerequisite: Undergraduate course in Tests and Measurements, or Elementary Statistics, or Consent of Instructor.	
26.597 EVALUATION OF READING RESEARCH	3 Sem. Hrs.
The student will be exposed to the tools of research and experimentation. The emphasis will be on past and present research relevant to reading.	
26.599 MASTER OF EDUCATION THESIS	3 Sem. Hrs.
Carefully executed investigation and accurate recording of a specific problem selected with reference to the student's professional goals and resources. Historical, descriptive, experimental, or action research can provide a single or multiple framework within which the student may work. Includes an outline of the proposed thesis submitted for inspection and approval by a Thesis Committee, an application of techniques derived from the research course, and the guidance of a Research Adviser.	
78.585 SEMINAR IN ELEMENTARY SCHOOL SOCIAL STUDIES	3 Sem. Hrs.
Trends, content, issues, and materials involved in the teaching of social studies. Each student will be expected to explore in depth one aspect of the subject and present his findings to the group.	

## PROJECT MISSION COURSES (EDPM)

28.480-28.481 PSYCHOLOGICAL FOUNDATIONS	1-2 Sem. Hrs.
Psychological understanding needed for guiding the learning of disadvantaged children and youth. The values, attitudes, and aspirations as well as the cognitive learning style of disadvantaged students.	
28.484-28.485 SOCIOLOGICAL FOUNDATIONS OF URBAN EDUCATION	1-2 Sem. Hrs.
Introduction to concepts and principles related to the social foundations in an urban environment. Planned to help students to relate themselves positively and functionally to the social aspects of education and to integrate these into their professional skills and attitudes.	
28.486-28.487 INTEGRATED FIELD EXPERIENCES	Each Course 2 Sem. Hrs.
This course provides first hand experiences relating theory and practice in Psychological and Sociological Foundations and Communication Skills.	
28.488-28.489 COMMUNICATION SKILLS	1-2 Sem. Hrs.
Speech, semantics, linguistics and sentence structure, a communication model, and psychological aspects of communication.	
28.490-28.491 METHODS AND MATERIALS IN ELEMENTARY EDUCATION	Each Course 3 Sem. Hrs.
Focus on reading, diagnosis of disabilities, special concerns for the disadvantaged child, remediation techniques. Pedagogy, planning and organizing, presentation, evaluation, use of realia, and teaching the language arts.	
28.492-28.493 METHODS AND MATERIALS IN SOCIAL STUDIES IN THE SECONDARY SCHOOLS	Each Course 3 Sem. Hrs.
Teaching social studies at the junior high level to disadvantaged youth. In addition, attention is given to such topics as: the curricular organization of social studies, developing social studies skills, instructional planning, social studies materials and resources, and evaluation in the social studies.	
28.494-28.495 METHODS AND MATERIALS IN ENGLISH IN THE SECONDARY SCHOOLS	Each Course 3 Sem. Hrs.
Methods and materials which may be used in directing the language and literary experiences of disadvantaged adolescents. Emphasis is placed on creativity and imagination in developing new approaches to meeting the classroom needs of the disadvantaged. The course gives particular attention to techniques for developing skills in reading and oral communication.	

28.496-28.497 SEMINAR IN INSTRUCTIONAL AIDS AND RESOURCES	Each Course 2 Sem. Hrs.
Opportunities will be provided for the student to become acquainted with all types of instructional materials. As new instructional aids become available, students will examine and evaluate their usefulness in the instructional programs of educationally deprived children. In addition, resource personnel of the Baltimore City Department of Education, the cooperating colleges, and the community will be brought in to discuss their contributions to the improvements of the school programs of the disadvantaged child.	
28.498-28.499 INTERNSHIP IN TEACHING	Each Course 6 Sem. Hrs.
28.501 TEACHING THE DISADVANTAGED CHILD	3 Sem. Hrs.
Concern will be given to the planning, organizing, and providing of appropriate curriculum experiences for pupils in urban schools. Emphasis will be placed on those methods and materials which are especially appropriate to meeting the needs of children attending schools in disadvantaged communities. <i>Prerequisite:</i> Background course in Urban Education or Consent of Department.	
28.515 BACKGROUNDS IN URBAN EDUCATION	3 Sem. Hrs.
To acquaint teachers with sociological factors, family organization and disorganization, and educational deprivation of children living in a crowded and urbanized society. Attention will be given to the special learning styles of these pupils. <i>Prerequisite:</i> PSYC 70.203.	
28.571 SEMINAR IN URBAN EDUCATION	3 Sem. Hrs.
Designed as an advanced course for those who have had previous courses in this field and who are engaged in working with children who are educationally disadvantaged. Focus will be on significant anthropological, ecological, sociological, and psychological research related to the problems of the disadvantaged learner. <i>Prerequisite:</i> Background in Urban Education or Consent of Department.	
28.599 MASTER'S THESIS IN URBAN TEACHING	3 Sem. Hrs.
Carefully executed investigation and accurate recording of a specific problem selected with reference to the student's professional goals and resources. Historical, descriptive, experimental, or action research can provide a single or multiple framework within which the student may work. Includes an outline of the proposed thesis submitted for inspection and approval by a Thesis Committee, an application of techniques derived from the research course, and the guidance of a Research Adviser.	

## ENGLISH

### ENGLISH COURSES (ENGL)

30.401 THE LITERATURE OF BLACK AMERICA	3 Sem. Hrs.
The literature of black expression in the United States with emphasis on the twentieth century. Non-fiction, fiction, and poetry by black writers will be studied, as well as some treatments of the black race by white writers. <i>Prerequisite:</i> Three hours composition, three hours sophomore survey and one additional lower-division English course.	
30.405 LITERARY CRITICISM I	3 Sem. Hrs.
History and principles of literary criticism. Specified prerequisites and Consent of Instructor.	
30.406 LITERARY CRITICISM II	3 Sem. Hrs.
Practice in writing literary criticism. Specified prerequisites and Consent of Instructor.	
30.407 MODERN POETRY	3 Sem. Hrs.
Work of the important twentieth century poets.	
30.408 MODERN FICTION TO WORLD WAR II	3 Sem. Hrs.
Work of the modern masters of fiction.	

30.409 MODERN FICTION SINCE WORLD WAR II 3 Sem. Hrs.  
Works of the significant writers—English, American, and Continental—of the past twenty years. The works of these writers carry on or challenge the tradition established by the modern masters of fiction.

30.410 CHAUCER 3 Sem. Hrs.  
A study of the major poetry.

30.412 MILTON 3 Sem. Hrs.  
A study of the poetry and major prose works.

30.415 SHAKESPEARE (COMEDIES) 3 Sem. Hrs.  
Shakespeare's development as a poet and a dramatist during the period of the comedies and historical plays. Consent of Instructor for any exception to prerequisite of 300 level course.

30.416 SHAKESPEARE (TRAGEDIES) 3 Sem. Hrs.  
The great tragedies and the late romantic comedies of Shakespeare. Consent of Instructor for any exception to prerequisite of 300 level course.

30.422 DEVELOPMENT OF THE ENGLISH NOVEL 3 Sem. Hrs.  
History and development of the English novel through the eighteenth century.

30.423 DEVELOPMENT OF THE ENGLISH NOVEL 3 Sem. Hrs.  
History and development of the English novel through the nineteenth century.

30.425 THE AMERICAN NOVEL FROM HAWTHORNE TO THE PRESENT 3 Sem. Hrs.  
(Not open to students who have taken ENGL 30.323 or 30.347).

30.430 HISTORY OF THE ENGLISH LANGUAGE 3 Sem. Hrs.  
Changes and reasons for the changes in grammar, sound, and vocabulary of the language, from Old English to modern times.

30.431 STRUCTURE OF THE ENGLISH LANGUAGE 3 Sem. Hrs.  
A linguistic approach to sounds, forms, syntax, and usage.

30.432 OLD ENGLISH LANGUAGE 3 Sem. Hrs.  
Grammar and syntax of Old English; translation of elementary texts; introduction to Germanic philology.

30.433 MIDDLE ENGLISH LANGUAGE 3 Sem. Hrs.  
Grammar and syntax of Middle English; study of Middle English dialects; reading of selected texts of twelfth to fifteenth centuries.

30.485 SEMINAR IN ENGLISH STUDIES Each Semester 3 Sem. Hrs.  
Thorough study of one major area of English or American literature (author, period, movement, etc.) not available through other electives. Areas covered will vary from semester to semester. Emphasis on research and scholarly writing, with extensive research paper required. Available for graduate credit. Open only to seniors and, with Consent of the Instructor, to juniors having an exceptionally strong background in English. May be taken one or two semesters. *Prerequisite:* At least 6 semester hours in English electives above the 200 level and Consent of Instructor.

30.491 DIRECTED READING IN ENGLISH 2-4 Sem. Hrs.  
Independent reading in selected areas of English, in order to provide for the individual a comprehensive coverage of skills expected by the department. By invitation of Department to majors, minors, or honors students.

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30.501 PRINCIPLES: CULTURAL BACKGROUNDS OF LITERATURE 3 Sem. Hrs.  
A study of the continuity of Western literature through selected works and their intellectual backgrounds. A graduate student must elect one principles course; he may elect two. *Prerequisite:* Twenty-four hours of English credit beyond freshman English or Consent of Instructor; ENGL 30.585.

30.505 PRINCIPLES: LITERARY CRITICISM 3 Sem. Hrs.  
A study of the methods of the major critical movements. A graduate student must elect one principles course; he may elect two. *Prerequisite:* Twenty-four hours of English credit beyond freshman English or Consent of Instructor; ENGL 30.585.

30.525 PRINCIPLES: LANGUAGE AND LINGUISTICS	3 Sem. Hrs.
A study of the major approaches to language and linguistics. A graduate student must elect one principles course; he may elect two. <i>Prerequisite:</i> Twenty-four hours of English credit beyond freshman English or Consent of Instructor; ENGL 30.585.	
30.585 THE ENGLISH PROSEMINAR	3 Sem. Hrs.
An introduction to graduate English study. Required of all graduate students in English. <i>Prerequisite:</i> Twenty-four hours of English credit beyond freshman English or Consent of Instructor.	
30.593 PRINCIPLES: BIBLIOGRAPHY	3 Sem. Hrs.
The thesis course. A study of the tools of literary research. A graduate student must elect one principles course; he may elect two. <i>Prerequisite:</i> Twenty-four hours of English credit beyond freshman English or Consent of Instructor; ENGL 30.585.	

## GEOGRAPHY

### GEOGRAPHY COURSES (GEOG)

34.401 GROWTH OF GEOGRAPHIC THOUGHT	3 Sem. Hrs.
History, nature, and methodology of geography as a discipline. Analysis of schools of geographic thought; critical evaluation of important geographic works. <i>Prerequisite:</i> GEOG 34.103, 34.104 or Consent of Instructor.	
34.413 URBAN GEOGRAPHY	3 Sem. Hrs.
Survey of the structure, functions, forms, and development of urban units. Emphasis upon the locational features of social, economic, and cultural phenomena. Field work. <i>Prerequisite:</i> GEOG 34.103, 34.104 or Consent of Instructor.	
34.425 MAP READING AND INTERPRETATION	2 Sem. Hrs.
Principal types of maps and their uses. Emphasis on understanding map components and the range of physical and cultural phenomena indicated on maps. Includes selected exercises which illustrate the analytical and graphical values of maps. <i>Prerequisite:</i> GEOG 34.103, 34.104 or Consent of Instructor.	
34.480 DIRECTED READING IN GEOGRAPHY	3 Sem. Hrs.
Independent reading in selected areas of geography. Open by invitation of the Geography Department to students taking a major or minor in geography. <i>Prerequisite:</i> 15 hours in geography and a minimum average of 3.00 in geography courses.	
34.485 SEMINAR: PROBLEMS IN GEOGRAPHY	3 Sem. Hrs.
Reading and research in selected problems in the field of geography. <i>Prerequisite:</i> At least 12 hours of geography and Consent of Instructor.	
34.487 SEMINAR: THE AMERICAS	3 Sem. Hrs.
Individual study in selected problems of the geography of the Americas. <i>Prerequisite:</i> A minimum of 6 hours in geography electives or Consent of Instructor.	
34.488 SEMINAR: SOUTH ASIA	3 Sem. Hrs.
Reading, research, and discussions on special topics related to India, Pakistan, Ceylon, the Himalayan Kingdoms, and Afghanistan. <i>Prerequisite:</i> GEOG 34.314 and 3 additional hours of electives in geography or Consent of Instructor.	
34.489 SEMINAR: GEOGRAPHY AND MAN IN THE TWENTIETH CENTURY	3 Sem. Hrs.
Selected studies on the role of geographic factors in economic and political affairs and in the development of technology. Analysis of contributions of applied geography to the solution of urban and rural problems. <i>Prerequisite:</i> A minimum of 6 hours in geography electives or Consent of Instructor.	

34.490 EUROPEAN STUDIES (Summer only.) 3-6 Sem. Hrs.  
See HIST 40.490 for course description.

34.491 ANGLO-AMERICAN STUDIES (Summer only.) 3-6 Sem. Hrs.  
A field course for the purpose of studying selected regions of the United States and Canada.  
Early registration is required. *Prerequisite:* GEOG 34.230, HIST 40.221, 40.222 or Consent of Instructor.

## HEALTH EDUCATION

### HEALTH COURSES (HEAL)

38.401 HEALTH AND URBAN LIVING 3 Sem. Hrs.  
Study of those conditions of urban living with particular relevance for the health and well-being of urban dwellers. Nature, extent, and programs and problems in dealing with atmospheric pollution, water supply, housing, sanitation, behavioral disorders, mental illness, communicable disease, etc. *Prerequisite:* HEAL 38.205, SOCI 80.201.

38.405 SCHOOL HEALTH MATERIALS 2-3 Sem. Hrs.  
Materials for the teaching of health, the place of health in the school program, and coordination of the work of teachers and school health services. Techniques for encouraging desirable health habits and for observing the health of the child in the classroom. *Prerequisite:* HEAL 38.205.

38.409 MEDICAL CARE IN THE UNITED STATES 3 Sem. Hrs.  
An examination of the medical care process and the medical care system; the health occupations, hospitals, and related institutions; the drug industry; the organization of services and financing; the quasi-public sector, social values and responsibilities, and current trends in health care.

38.485 MARYLAND HEALTH PROGRAM IN ACTION — WORKSHOP 3 Sem. Hrs.  
A modified off-campus workshop designed primarily for teachers. Concerned with certain selected community health problems, and their backgrounds, effects upon the community, present resources of the State, and the nature, extent, and purposes of current programs.

38.497 FIELD WORK AND HEALTH EDUCATION 3 Sem. Hrs.  
Four weeks of full time supervised work in a governmental or voluntary agency to familiarize the student with the health activities of an on-going health education Program.

## HISTORY

### HISTORY COURSES (HIST)

40.402, 40.403 CONSTITUTIONAL HISTORY OF THE UNITED STATES Each Course 3 Sem. Hrs.  
Development of American constitutionalism in theory and practice. *Prerequisite:* HIST 40.221, 40.222.

40.405 THE CITY IN AMERICAN HISTORY 3 Sem. Hrs.  
The development of the city and its impact on American social, cultural, intellectual, political, and economic life. *Prerequisite:* 40.221 and 40.222.

40.407 THE IMMIGRANT IN AMERICAN HISTORY 3 Sem. Hrs.  
History of the immigrant experience in America from the colonial period to the present. Emphasis on migration patterns, receptivity of native society, assimilation and acculturation processes. *Prerequisite:* 40.221 and 40.222.

40.413 AMERICAN INTELLECTUAL HISTORY TO 1859 3 Sem. Hrs.  
Main issues in American thought from the colonial period to the publication of Darwin's *Origin of the Species*. Emphasis on religion, political theory, and literature. *Prerequisite:* HIST 40.221 or ENGL 30.307 or Consent of Instructor.

40.414 AMERICAN INTELLECTUAL HISTORY SINCE 1859 3 Sem. Hrs.  
Main issues in American thought from the publication of Darwin's *Origin of the Species* to contemporary times. Emphasis on religion, social theory, literature, and philosophy. *Prerequisite:* HIST 40.222 or ENGL 30.308 or Consent of Instructor.

40.415, 40.416 SOCIAL HISTORY OF THE UNITED STATES Each Course 3 Sem. Hrs.  
Everyday life of Americans from the seventeenth century to the present. *Prerequisite:* HIST 40.221, 40.222.

40.417 THE NEGRO IN AMERICAN HISTORY 3 Sem. Hrs.  
History of Americans of African ancestry from colonial days to the present. Emphasis on the impact of American history on the Negro and his role in the development of America. *Prerequisite:* HIST 40.221, 40.222.

40.418 HISTORY OF CANADA 3 Sem. Hrs.  
Canadian history with emphasis on the period since 1867. Particular attention will be given to the problems of cultural dualism and confederation. *Prerequisite:* HIST 40.121, 40.122 or 40.221, 40.222.

40.419 SEMINAR IN EUROPEAN HISTORY 3 Sem. Hrs.  
Reading and research dealing with a phase of history to be selected by the instructor; considerable attention to sources and historiography. *Prerequisite:* HIST 40.121, 40.122, 40.221, 40.222 and Consent of Instructor.

40.420 SEMINAR IN AMERICAN HISTORY 3 Sem. Hrs.  
Reading and research dealing with a phase of history to be selected by the instructor; considerable attention to sources and historiography. *Prerequisite:* HIST 40.121, 40.122, 40.221, 40.222 and Consent of Instructor.

40.423 RUSSIA TO 1917 3 Sem. Hrs.  
From Kiev Rus to the fall of the Romanov dynasty. *Prerequisite:* HIST 40.121, 40.122 or Consent of Instructor.

40.424 SOVIET UNION SINCE 1917 3 Sem. Hrs.  
From the fall of Tsarist regime and the Bolshevik Revolution to the present. *Prerequisite:* HIST 40.121, 40.122 or Consent of Instructor.

40.425 EUROPEAN MILITARY HISTORY SINCE 1815 3 Sem. Hrs.  
The major wars and inter-war military developments of post-Napoleonic Europe seen in the context of diplomatic, economic, and technological history. *Prerequisite:* HIST 40.122 or Consent of Instructor.

40.426 DIPLOMATIC HISTORY OF EUROPE 1815-1939 3 Sem. Hrs.  
A survey with emphasis upon specific diplomatic crises. *Prerequisite:* HIST 40.121, 40.122.

40.428 FRANCE: 1763-1871 3 Sem. Hrs.  
Old Regime and the impact of successive revolutions upon French society. Emphasis upon the role of France in the growth of European liberalism and nationalism. *Prerequisite:* HIST 40.121, 40.122.

40.430 SUB-SAHARAN AFRICA 3 Sem. Hrs.  
Selected aspects of the development of African cultures, emphasizing changing assumptions and interpretations and the contributions of other disciplines to the reconstruction of Africa's past. *Prerequisite:* HIST 40.121, 40.122, 40.221, 40.222 or Consent of Instructor.

40.433, 40.434 INTELLECTUAL HISTORY OF WESTERN CIVILIZATION Each Course 3 Sem. Hrs.  
Development of modern European thought stressing science, political and social thought, and philosophy, with attention given to their impact on society. 17th and 18th centuries; 19th and 20th centuries. *Prerequisite:* HIST 40.121, 40.122 or Consent of Instructor.

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40.435 MODERN WESTERN COLONIALISM 2-3 Sem. Hrs.  
Expansion of Western culture and institutions with particular reference to their effects on the peoples of Asia and Africa in the period since 1870. *Prerequisite: HIST 40.121, 40.122.*

40.437 A HISTORY OF DIPLOMACY 3 Sem. Hrs.  
Evolution from its origins to the present with emphasis on the modern period. Historic changes which shifting ideologies and new technologies have wrought in the role of the diplomat. *Prerequisite: HIST 40.121, 40.122 or 40.221, 40.222.*

40.441 SOCIAL AND INTELLECTUAL HISTORY OF LATIN AMERICA 3 Sem. Hrs.  
A study of the impact of ideas on the organization of Latin American Society in different epochs. *Prerequisite: 40.321, 40.322 or Consent of Instructor.*

40.443 HISTORY OF MEXICO 3 Sem. Hrs.  
The evolution of modern Mexican Civilization. Consideration of the cultural, social, religious, economic, and political developments from Pre-Columbian times to the present. *Prerequisite: 40.121, 40.122 or 40.221, 40.222 or Consent of Instructor.*

40.451 DIPLOMATIC HISTORY OF THE UNITED STATES TO 1900 3 Sem. Hrs.  
Evolution of the American national interest in foreign relations with Europe, Latin America, and the Far East from colonial times to 1900. Emphasis upon the changing character and role of objectives, policies, commitments, and forces. *Prerequisite: HIST 40.221, 40.222.*

40.452 DIPLOMATIC HISTORY OF THE UNITED STATES SINCE 1900 3 Sem. Hrs.  
Continuation of HIST 40.451 to the present with added interest in the emergence of the United States as a major world power. The role of the United States in modern warfare, world wide economic and financial affairs, overseas expansion, the diplomatic impact of conflict in ideologies, and current international crisis. *Prerequisite: HIST 40.221, 40.222.*

40.458 A HISTORY OF CHINA TO 1644 3 Sem. Hrs.  
The beginnings of Chinese civilization and institutions, the introduction of Buddhism, the rise of Taoism and Confucianism. The evolution of Chinese art and literature, the invasions and internal dissent. *Prerequisite: HIST 40.121, 40.122.*

40.459 CHINESE HISTORY SINCE 1644 3 Sem. Hrs.  
The rise of the Manchu dynasty, western penetration of China, the Opium Wars, Taiping Rebellion, reform and revolution. The succession of the Kuomintang and the rise of Chinese Communism. *Prerequisite: HIST 40.121, 40.122.*

40.460 MODERN GERMANY, 1871-1945 3 Sem. Hrs.  
Brief topical analysis of the 19th century background. Concentration on the Bismarckian Empire, Weimar Republic and the Third Reich, emphasizing the interrelationships between internal developments and Germany's role in Europe and the world. *Prerequisite: HIST 40.121, 40.122.*

40.463 EUROPE 1914-1939 3 Sem. Hrs.  
Events leading to World War I, the conflict, and the peace which followed. The rise of conflicting political ideologies and the road to World War II. *Prerequisite: HIST 40.121, 40.122.*

40.464 EUROPE SINCE 1939 3 Sem. Hrs.  
World War II—diplomacy, strategy, and results. The economic, social, and political recovery of post-war Europe and the development of new alliance structures. *Prerequisite: HIST 40.121, 40.122.*

40.470 BRITAIN IN THE TWENTIETH CENTURY 3 Sem. Hrs.  
The role of Britain, the Commonwealth, and the Empire. Social reform and World War I. Efforts to recover economic equilibrium. World War II. Decline of the Empire. Britain and Socialism. *Prerequisite: HIST 40.121, 40.122.*

40.485 DIRECTED READING IN HISTORY 2-4 Sem. Hrs.  
Independent reading in selected areas of history. Open by invitation of the Department to students taking a major or minor in history. *Prerequisite: 15 hours in history and a minimum average of 3.00 in history courses.*

40.490 EUROPEAN STUDIES (Summer only.) 3-6 Sem. Hrs.  
Travel and study program in selected parts of Europe designed for the mature student. Examination of the nature of modern Europe and the historical and geographical processes that produced European Civilization. For enrollment procedure, write the Chairman, History Department or Geography Department early in the fall of academic year preceding the summer of intended study. *Prerequisite:* Year survey course in western civilization and year survey course in geography or Consent of Instructor.

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40.571 SEMINAR IN UNITED STATES HISTORY TO 1865 3 Sem. Hrs.  
Research dealing with a phase of United States history to 1865 to be selected by the instructor. *Prerequisite:* Consent of Instructor.

40.572 SEMINAR IN UNITED STATES HISTORY SINCE 1865 3 Sem. Hrs.  
Research dealing with a phase of United States history since 1865 to be selected by the instructor. *Prerequisite:* Consent of Instructor.

40.581 SEMINAR IN 19TH CENTURY EUROPEAN HISTORY 3 Sem. Hrs.  
Research dealing with a phase of 19th century European history to be selected by the instructor. *Prerequisite:* Consent of Instructor.

40.582 SEMINAR IN 20TH CENTURY EUROPEAN HISTORY 3 Sem. Hrs.  
Research dealing with a phase of 20th century European history to be selected by the instructor. *Prerequisite:* Consent of Instructor.

40.591 DIRECTED READING IN HISTORY 2-4 Sem. Hrs.  
Independent reading in areas of history selected by the instructor and the student. *Prerequisite:* Consent of Instructor.

## MATHEMATICS

### MATHEMATICS COURSES (MATH)

50.429 READINGS IN MATHEMATICS EDUCATION 2 or 3 Sem. Hrs.  
Directed study for the teacher of secondary school mathematics. *Prerequisite:* Consent of Instructor.

50.435 NUMERICAL ANALYSIS I 3 Sem. Hrs.  
Error analysis, interpolation, numerical solution of algebraic equations and systems of algebraic equations, numerical integration and differentiation. Illustration and use of computer languages. *Prerequisite:* MATH 50.317.

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50.436	NUMERICAL ANALYSIS II Continuation of MATH 50.435. Prerequisite: MATH 50.435.	3 Sem. Hrs.
50.457	DIFFERENTIAL GEOMETRY I Curvatures of curves and surfaces in $E_3$ , geodesics, invariants, mappings and special surfaces. Prerequisite: MATH 50.371.	3 Sem. Hrs.
50.458	DIFFERENTIAL GEOMETRY II Continuation of MATH 50.457. Prerequisite: MATH 50.457.	3 Sem. Hrs.
50.461	ADVANCED TOPICS IN ALGEBRA Extension of the concepts of MATH 50.361. Prerequisite: MATH 50.361.	3 Sem. Hrs.
50.471	DIFFERENTIAL EQUATIONS Solutions of ordinary and partial differential equations. Prerequisite: MATH 50.371.	3 Sem. Hrs.
50.473	ADVANCED CALCULUS I Euclidean spaces, norms, compact and connected sets in metric spaces, Heine-Borel Theorem, Weierstrass Theorem, numerical sequences and series, continuity and uniform continuity. Prerequisite: MATH 50.371.	3 Sem. Hrs.
50.474	ADVANCED CALCULUS II Differentiation, mean value theorem, differentiation of vector-valued functions, Riemann-Stieltjes Integral, sequences and series of functions, Stone-Weierstrass Theorem, and functions of several variables. Prerequisite: MATH 50.473.	3 Sem. Hrs.
50.475	COMPLEX ANALYSIS Complex number system, analytic functions. Cauchy's integral theorem and integral formulae, Taylor and Laurent series, isolated singularities, Cauchy's residue theorem and conformal mappings. Prerequisite: MATH 50.473.	3 Sem. Hrs.
50.477	TOPOLOGY General topological spaces, limits, continuity, separation axioms; Hausdorff, regular, and compact spaces; distance functions, and metric spaces. Prerequisite: MATH 50.473.	3 Sem. Hrs.
50.491	READING IN MATHEMATICS Independent reading in selected areas of mathematics. Open only to seniors. Prerequisite: Consent of Instructor.	T.B.A.
50.521	SEMINAR IN TEACHING ARITHMETIC Analysis of new topics, techniques, and materials in arithmetic instruction. Prerequisite: MATH 50.321 or 50.323.	3 Sem. Hrs.

## MODERN LANGUAGES

### FRENCH COURSES (FREN)

32.401	ADVANCED FRENCH GRAMMAR French syntax, idiomatic construction, word formation. Conversation and oral drill. Prerequisite: FREN 32.303, 32.304. Conducted in French.	3 Sem. Hrs.
32.405	FRENCH LITERATURE OF THE SIXTEENTH CENTURY Principle works of the major writers, of the sixteenth century with special attention to Rabelais, the Pleiade, and Montaigne. Prerequisite: FREN 32.301, 32.302 or Equivalent. Conducted in French.	3 Sem. Hrs.
32.407	FRENCH LITERATURE OF THE SEVENTEENTH CENTURY Principal works of the major writers in poetry, drama, philosophy, criticism, and the novel, to about 1660. Prerequisite: FREN 32.301, 32.302 or Equivalent. Conducted in French.	3 Sem. Hrs.

32.408 FRENCH LITERATURE OF THE SEVENTEENTH CENTURY 3 Sem. Hrs.  
Continuation of FREN 32.407 from 1660 to 1700. *Prerequisite:* FREN 32.301, 32.302 or Equivalent.  
Conducted in French.

32.409 FRENCH LITERATURE OF THE EIGHTEENTH CENTURY 3 Sem. Hrs.  
Principal works of the major writers with the concurrent literary and philosophical trends. *Prerequisite:* FREN 32.301, 32.302 or Equivalent. Conducted in French.

32.411 FRENCH LITERATURE OF THE NINETEENTH CENTURY 3 Sem. Hrs.  
The rise, flowering, and decline of Romanticism, with the contemporary writers outside the movement. *Prerequisite:* FREN 32.301, 32.302 or Equivalent. Conducted in French.

32.412 FRENCH LITERATURE OF THE NINETEENTH CENTURY 3 Sem. Hrs.  
The major literary figures and doctrines of the latter part of the nineteenth century. *Prerequisite:* FREN 32.301, 32.302 or Equivalent. Conducted in French.

32.413 FRENCH LITERATURE OF THE TWENTIETH CENTURY 3 Sem. Hrs.  
From Gide, Proust, Valery, Peguy, and Claudel to the Second World War. *Prerequisite:* FREN 32.301, 32.302 or Equivalent. Conducted in French.

32.414 FRENCH LITERATURE OF THE TWENTIETH CENTURY 3 Sem. Hrs.  
Sarte, Camus, Anouilh, and other present-day writers. *Prerequisite:* FREN 32.301, 32.302 or Equivalent. Conducted in French.

32.421-32.422 FRENCH DRAMA Each Course 3 Sem. Hrs.  
The development of French Drama from the Middle Ages to the present day. *Prerequisite:* FREN 32.301, 32.302. Conducted in French.

32.423 FRENCH NOVEL 3 Sem. Hrs.  
Emphasis on Balzac, Hugo, and at least one twentieth century novelist. *Prerequisite:* FREN 32.301, 32.302 or Equivalent. Conducted in French.

32.425-32.426 FRENCH POETRY Each Course 3 Sem. Hrs.  
The development of French poetry from the Middle Ages to the present day. *Prerequisite:* FREN 32.301, 32.302. Conducted in French.

32.427 FRENCH SHORT STORY 3 Sem. Hrs.  
Emphasis on the realists and some of the more recent authors. *Prerequisite:* FREN 32.301, 32.302 or Equivalent. Conducted in French.

32.451 DIRECTED READING IN FRENCH LITERATURE 3 Sem. Hrs.  
Reserved for superior students under the guidance of a departmental advisor. *Prerequisite:* At least three hours of literature study at the 400 level. Conducted in French.

32.452 DIRECTED READING IN FRENCH 3 Sem. Hrs.  
Similar to FREN 32.451 with concentration on a different subject matter. *Prerequisite:* At least three hours of literature study at the 400 level. Conducted in French.

32.495 INTRINSIC PROBLEMS IN FRENCH LITERATURE 3 Sem. Hrs.  
Consideration of the literary work "in itself": matters of literary language and world-view; the possibilities and limitations of this sort of criticism; problems in bibliography. *Prerequisite:* FREN 32.451 and Consent of Instructor. Conducted in French.

32.496 EXTRINSIC PROBLEMS IN FRENCH LITERATURE 3 Sem. Hrs.  
Consideration of the literary work as influenced by its cultural environment; the possibilities and limitations of this sort of criticism; problems in bibliography. *Prerequisite:* FREN 32.451 and Consent of Instructor. Conducted in French.

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32.555-32.556 FRENCH REALISM AND NATURALISM Each Course 3 Sem. Hrs.  
The main works of Balzac, Stendhal, Flaubert, Les, Goncourt, Zola, Maupassant, and Daudet with shifting emphasis from year to year. *Prerequisite:* Consent of Instructor.

## GERMAN COURSES (GERM)

36.401 ADVANCED GERMAN GRAMMAR 3 Sem. Hrs.  
German syntax, idiomatic construction, word formation, original composition. Conversation and oral drill. *Prerequisite:* GERM 36.303, 36.304. Conducted in German.

36.407 GERMAN LITERATURE OF THE MIDDLE AGES 3 Sem. Hrs.  
Special emphasis on flowering period of epic and lyric poetry. Readings are, for the most part, in New High German translation. *Prerequisite:* GERM 36.301, 36.302 or Equivalent. Conducted in German.

36.409 GERMAN LITERATURE OF THE BAROQUE 3 Sem. Hrs.  
A Survey of German Literature from Opitz to Brockes. *Prerequisite:* GERM 36.301, 36.302 or Equivalent. Conducted in German.

36.411 GERMAN PRE-CLASSICISM 3 Sem. Hrs.  
German Literature from Brockes through the *Sturm und Drang*. Special emphasis given to contemporary theories of literature. *Prerequisite:* GERM 36.301, 36.302 or Equivalent. Conducted in German.

36.413, 36.414 GERMAN CLASSICISM Each Course 3 Sem. Hrs.  
Two semesters: 1. The beginnings of German classicism: Goethe, Schiller, Lessing; 2. The later works of Goethe and Schiller. *Prerequisite:* GERM 36.301, 36.302 or Equivalent. Conducted in German.

36.415 GERMAN ROMANTICISM 3 Sem. Hrs.  
The rise and flowering of German Romanticism, with collateral readings in Romantic philosophy and aesthetics. *Prerequisite:* GERM 36.301, 36.302 or Equivalent. Conducted in German.

36.417 GERMAN LITERATURE OF THE NINETEENTH CENTURY 3 Sem. Hrs.  
German Literature from Kleist to Fontane. *Prerequisite:* GERM 36.301, 36.302 or Equivalent. Conducted in German.

36.423, 36.424 MODERN GERMAN LITERATURE Each Course 3 Sem. Hrs.  
German Literature from Nietzsche to Brecht. Two semesters. *Prerequisite:* GERM 36.301, 36.302 or Equivalent. Conducted in German.

36.425 GERMAN POETRY 3 Sem. Hrs.  
German poetry from Walter von der Vogelweide. *Prerequisite:* GERM 36.301, 36.302 or Equivalent. Conducted in German.

36.429 THE GERMAN EPIC OF SELF-DEVELOPMENT 3 Sem. Hrs.  
The German Epic of Self-Development from Wolfram von Eschenbach to Thomas Mann. *Prerequisite:* GERM 36.301, 36.302 or Equivalent. Conducted in German.

36.441 GOETHE'S FAUST 3 Sem. Hrs.  
Particularly Part I of this unique work; a survey of the Faust Theme in both literature and music; some essential attention to Part II. *Prerequisite:* GERM 36.301, 36.302 or Equivalent.

36.451 DIRECTED READING IN GERMAN LITERATURE 3 Sem. Hrs.  
Reserved for superior students under the guidance of a departmental advisor. *Prerequisite:* At least three hours of literature study at the 400 level. Conducted in German.

36.452 DIRECTED READING IN GERMAN 3 Sem. Hrs.  
Similar to GERM 36.451 with concentration on a different subject matter. *Prerequisite:* At least three hours of literature study at the 400 level. Conducted in German.

36.495 INTRINSIC PROBLEMS IN GERMAN LITERATURE 3 Sem. Hrs.  
Consideration of the literary work "in itself": matters of literary language and world-view; the possibilities and limitations of this sort of criticism; problems in bibliography. *Prerequisite:* GERM 36.451 and Consent of Instructor. Conducted in German.

36.496 EXTRINSIC PROBLEMS IN GERMAN LITERATURE 3 Sem. Hrs.  
Consideration of the literary work as influenced by its cultural environment; the possibilities and limitations of this sort of criticism; problems in bibliography. *Prerequisite:* GERM 36.451 and Consent of Instructor. Conducted in German.

**SPANISH COURSES (SPAN)**

**82.401 ADVANCED SPANISH GRAMMAR** 3 Sem. Hrs.  
Spanish syntax, idiomatic construction, word formation, original composition. Conversation and oral drill. *Prerequisite:* SPAN 82.303, 82.304. Conducted in Spanish.

**82.405 THE GOLDEN AGE IN SPANISH LITERATURE** 3 Sem. Hrs.  
Principal attention to Cervantes, Tirso de Molina, Lope de Vega, and Ruiz de Alarcon; Gongora and his role. *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.411 NINETEENTH CENTURY SPANISH LITERATURE** 3 Sem. Hrs.  
The main literary movements of the century: neo-classicism, romanticism, realism, naturalism, and special emphasis on "custumbrista." *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.413 TWENTIETH CENTURY SPANISH LITERATURE** 3 Sem. Hrs.  
Special attention to the literary movement called "The Generation of '98." *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.414 TWENTIETH CENTURY SPANISH LITERATURE** 3 Sem. Hrs.  
The writers of the last thirty years. *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.421 SPANISH DRAMA** 3 Sem. Hrs.  
Nineteenth and early twentieth century. *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.423 SPANISH NOVEL** 3 Sem. Hrs.  
Emphasis will be given to Benito Perez Galdos and Pio Baroja. *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.424 SPANISH NOVEL** 3 Sem. Hrs.  
Emphasis on contemporary writers including: Camilo Jose Cela, Angel Miguel Asturias, Ramon Sender, Juan Goytisolo. *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.425 SPANISH POETRY** 3 Sem. Hrs.  
Special emphasis on Gustavo Adolfo Becquer, Ruben Dario, Antonio Machado. *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.426 SPANISH POETRY** 3 Sem. Hrs.  
Emphasis on the poets of the generation of 1927: Pablo Neruda, and Vincente Aleixandre. *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.427 SPANISH SHORT STORY** 3 Sem. Hrs.  
The short story in Spain and Spanish America with emphasis on twentieth century authors. *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.435 SPANISH-AMERICAN LITERATURE OF THE LAST HUNDRED YEARS** 3 Sem. Hrs.  
Writers such as Ricardo Palma, Amado Nervo, Gabriela Mistral, and Ruben Dario, with some special emphasis on the latter. *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.442 SPANISH DRAMA** 3 Sem. Hrs.  
Contemporary playwrights such as Casona, Usigili, and Vallejo. *Prerequisite:* SPAN 82.301, 82.302 or Equivalent. Conducted in Spanish.

**82.451 DIRECTED READING IN SPANISH LITERATURE** 3 Sem. Hrs.  
Reserved for superior students under the guidance of a departmental advisor. *Prerequisite:* At least three hours of literature study at the 400 level. Conducted in Spanish.

**82.452 DIRECTED READING IN SPANISH** 3 Sem. Hrs.  
Similar to SPAN 82.451 with concentration on a different subject matter. *Prerequisite:* At least three hours of literature study at the 400 level. Conducted in Spanish.

82.495 INTRINSIC PROBLEMS IN SPANISH LITERATURE 3 Sem. Hrs.  
Consideration of the literary work "in itself": matters of literary language and world-view; the possibilities and limitations of this sort of criticism; problems in bibliography. *Prerequisite:* SPAN 82.451 and Consent of the Instructor. Conducted in Spanish.

82.496 EXTRINSIC PROBLEMS IN SPANISH LITERATURE 3 Sem. Hrs.  
Consideration of the literary work as influenced by its cultural environment; the possibilities and limitations of this sort of criticism; problems in bibliography. *Prerequisite:* SPAN 82.451 and Consent of Instructor. Conducted in Spanish.

## MUSIC

### MUSIC COURSES (MUSC)

54.401 MUSIC PRIOR TO 1600 3 Sem. Hrs.  
The art of music in the West from its tentative beginnings in Greek and Hebrew music to the year 1600 A.D. *Prerequisite:* Consent of Department Chairman.

54.402 MUSIC OF THE BAROQUE PERIOD 3 Sem. Hrs.  
Style, forms, and musical techniques from 1600 to 1750. *Prerequisite:* Consent of Department Chairman.

54.403 MUSIC OF THE CLASSICAL PERIOD 3 Sem. Hrs.  
Styles, forms and techniques of the period from 1750-1820. Particular emphasis is placed on instrumental categories of the string quartet, sonata, symphony, and concerto as illustrated in the works of Haydn, Mozart and Beethoven. Attention is given to operatic and sacred compositions of the same masters. *Prerequisite:* Consent of Department Chairman.

54.404 MUSIC OF THE ROMANTIC PERIOD 3 Sem. Hrs.  
Musical styles, forms, and techniques to the 19th century with special attention to the intellectual foundations of the Romantic movement. *Prerequisite:* Consent of Department Chairman.

54.405 CONTEMPORARY MUSIC 3 Sem. Hrs.  
Styles, forms, and musical techniques since 1900. *Prerequisite:* Consent of Department Chairman.

54.407 MUSIC IN THE ELEMENTARY SCHOOL—ADVANCED 3 Sem. Hrs.  
Seminar in teaching techniques and problems of elementary school music; application of theory via work with children. After initial meeting, class meets at off-campus teaching center.

54.408 ORGANIZATION AND ADMINISTRATION OF MUSIC EDUCATION 3 Sem. Hrs.  
Seminar discussion of the problems of organization and administration of music education. *Prerequisite:* Music Student Teaching, and/or Consent of Department Chairman.

54.409-54.410 TEACHING STRINGED INSTRUMENTS Each Course 2 Sem. Hrs.  
Comparison of teaching methods used with young violin classes. Observation of young violin classes leading to practical experience in teaching during the second semester. *Prerequisite:* MUSC 54.219, 54.220 plus two semesters private string study or Consent of Instructor.

54.411 SURVEY OF OPERA 3 Sem. Hrs.  
Study of opera literature of various periods and styles. *Prerequisite:* Consent of Department Chairman.

54.413 SYMPHONIC LITERATURE 3 Sem. Hrs.  
Orchestral music from the baroque to the present. The concerto, symphony, overture and other orchestral forms are examined. *Prerequisite:* Consent of Department Chairman.

54.421 AMERICAN MUSIC 3 Sem. Hrs.  
American music from the Colonial Period to the present. *Prerequisite:* Consent of Department Chairman.

54.423 HISTORY OF JAZZ	3 Sem. Hrs.
Development of jazz and its peripheral effects upon music.	
54.425 ADVANCED PERCUSSION	3 Sem. Hrs.
Study of advanced performance techniques on all of the percussion instruments. <i>Prerequisite:</i> MUSC 54.215 or Consent of Instructor.	
54.427-54.428 JAZZ ARRANGING	Each Course 3 Sem. Hrs.
Study and practice of arranging of standard material for Jazz Ensembles.	
54.429-54.430 JAZZ IMPROVISATION	Each Course 3 Sem. Hrs.
Study and practice of improvising in various jazz styles. <i>Prerequisite:</i> MUSC 54.231-54.232, 54.331-54.332, or Consent of Instructor.	
54.433 ADVANCED THEORY	3 Sem. Hrs.
Continued development of skills in more advanced melodic, harmonic and rhythmic aspects of music through hearing, playing, and writing.	
54.435 FORM AND ANALYSIS	3 Sem. Hrs.
Analysis of vocal and instrumental literature. <i>Prerequisite:</i> MUSIC 54.331, 54.332, or Equivalent and MUSIC 54.335 or Equivalent.	
54.441, 54.442 BRASS ENSEMBLE	Each Course 1 Sem. Hr.
Study and performance of advanced brass literature, required of all students majoring in brass instruments. <i>Prerequisite:</i> Consent of Director.	
54.445, 54.446 PERCUSSION ENSEMBLE	Each Course 1 Sem. Hr.
Study and performance of advanced percussion literature; supplement and improve the percussion students' musical training by acquainting the students with the various techniques involved in performing on the numerous percussion instruments.	
54.449, 54.450 STRING ENSEMBLE	Each Course 1 Sem. Hr.
Study and performance of advanced string literature, required of all students concentrating in string instruments. <i>Prerequisite:</i> Audition with Director.	
54.451, 54.452 VOICE ENSEMBLE	Each Course 1 Sem. Hr.
Small group study and performance of advanced choral literature. Admission by audition only.	
54.453, 54.454 WOODWIND ENSEMBLE	Each Course 1 Sem. Hr.
Study and performance of advanced woodwind literature required of all students majoring in woodwind instruments. <i>Prerequisite:</i> Consent of Director.	
54.457, 54.458 JAZZ ENSEMBLE	Each Course 1 Sem. Hr.
Study and performance of music of the jazz idiom. Open to all students by audition.	
54.459, 54.460 COMMUNITY CHORUS	Each Course 1 Sem. Hr.
Study and performance of advanced choral literature. Admission by Audition with Director.	
54.461, 54.462 CONCERT CHOIR	Each Course 1 Sem. Hr.
Study and performance of advanced choral literature. Open to all students with audition.	
54.463, 54.464 MEN'S GLEE CLUB	Each Course 1 Sem. Hr.
Study of performance of choral literature written and arranged for male voices. Open to all male students with Consent of Director.	
54.465, 54.466 WOMEN'S GLEE CLUB	Each Course 1 Sem. Hr.
Study and performance of choral literature for female voices. Open to all female students with audition.	
54.467, 54.468 ORCHESTRA	Each Course 1 Sem. Hr.
Study of orchestral literature. Open to all students by audition.	

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54.469, 54.470 CONCERT BAND	Each Course 1 Sem. Hr.
Study and performance of band literature. Open to all students by audition.	
54.471-54.488 PRIVATE LESSONS	1-3 Sem. Hrs.
Refer to MUSC 54.171-54.188 for course description, fee and time.	
54.491 INSTRUMENTAL WORKSHOP	2 Sem. Hrs.
Reading of new band publications. To give the band director an opportunity to hear new publications for band, and to serve as a conducting laboratory for students and directors. <i>Prerequisite:</i> Consent of Instructor.	
54.501 CURRENT TRENDS IN MUSIC AND MUSIC EDUCATION (Seminar)	3 Sem. Hrs.
A survey of current philosophies and objectives of music in the schools, and the scope and sequence of the music curricula, vocal and instrumental, on the elementary and secondary levels. <i>Prerequisite:</i> Admission to Graduate Student status.	
54.535 ADVANCED CHORAL AND INSTRUMENTAL ARRANGING	3 Sem. Hrs.
Advanced arranging techniques including the scoring of original and other works for various combinations of instruments and/or voices. <i>Prerequisite:</i> MUSC 54.335, or Equivalent, or Consent of Instructor.	
54.539 MUSIC COMPOSITION	3 Sem. Hrs.
Analysis and discussion of works of major composers. Writing of original compositions in vocal and instrumental idioms. <i>Prerequisite:</i> MUSIC 54.201, 54.202, 54.331, 54.332, 54.335, 54.435.	
54.561 SEMINAR IN INSTRUMENTAL MUSIC	3 Sem. Hrs.
Comparative analysis of current methods and materials used in schools and colleges. Instrumental conducting and repertoire. Construction of acoustical properties and basic techniques of instruments. Problems of ensemble and balance. Intonation, precision and interpretation are studied. Materials and music literature for bands, orchestras, and small ensembles are evaluated. <i>Prerequisite:</i> Admission to Graduate Student status.	
54.562 SEMINAR IN CHORAL (VOCAL) MUSIC	3 Sem. Hrs.
Comparative analysis of current methods and materials used in schools and colleges. Choral conducting and repertoire. Style, interpretation, tone quality, diction, rehearsal and conducting techniques are analyzed. <i>Prerequisite:</i> Admission to Graduate Student status.	
54.571-54.588 PRIVATE LESSONS	3 Sem. Hrs.
Refer to MUSIC 54.171-54.188 for course description, fee, and time.	
54.595 RESEARCH METHODS IN MUSIC AND MUSIC EDUCATION	3 Sem. Hrs.
The application of methods of research to problems in the field of music and music education, the preparation of bibliographies and specialized techniques for the location, collection, and treatment of data. The written exposition of research projects in the area of the student's major interest. <i>Prerequisite:</i> Admission to Graduate Student status.	

## PHILOSOPHY AND RELIGION

### PHILOSOPHY AND RELIGION COURSES (PHIL)

58.402 COMPARATIVE RELIGIONS—ANCIENT AND WORLDWIDE	3 Sem. Hrs.
Religions of primitive, and civilized people, including an historical and comparative study of the great religions of the world, both ancient and modern.	
58.403 ETHICS	3 Sem. Hrs.
Analysis of readings from the principal classical and contemporary ethical sources; study of the basic moral concepts as found in these sources; application to contemporary moral concerns.	

58.405 HISTORY OF WESTERN PHILOSOPHY, ANCIENT AND MEDIEVAL	3 Sem. Hrs.
Issues and movements in philosophy in the light of representative thinkers of the major schools of thought, and a consideration of their significance. Critical examination of influential works.	
58.406 HISTORY OF WESTERN PHILOSOPHY, RENAISSANCE AND MODERN	3 Sem. Hrs.
Similar to PHIL 58.405 for the period from Descartes to Kierkegaard.	
58.408 PHILOSOPHICAL SYSTEMS	3 Sem. Hrs.
The study of a major philosophical system or position, classical or modern, and of its important proponents.	
58.411 PHILOSOPHICAL PROBLEMS OR TOPICS	3 Sem. Hrs.
A consideration of one of the perennial preoccupations of philosophy: ethics, logic, freedom, determinism, epistemology, metaphysics, hermeneutics, linguistics, etc.	
58.412 RELIGION IN CONTEMPORARY AMERICA	3 Sem. Hrs.
Ideas and forms of organization of Protestantism, Catholicism, and Judaism; trends in religious thought as related to American culture.	

## PHYSICAL EDUCATION

### PHYSICAL EDUCATION COURSES (PHED)

\* Prefix for co-education is 60; prefix for men is 61; prefix for women is 62.

*401, 402 PRINCIPLES AND PROBLEMS OF PHYSICAL EDUCATION	Each Course 2 Sem. Hrs.
The scientific foundation of physical education and current problems in the fields of physical education. <i>Prerequisite: 199, 203, 303</i>	
403 ORGANIZATION AND ADMINISTRATION OF INTRAMURALS	3 Sem. Hrs.
Organization, administration, and promotion of intramurals at various school levels. Types of tournaments, units of competition, handling of student leader personnel, etc.	
*419 SWIMMING AND POOL MANAGEMENT	2-3 Sem. Hrs.
An advanced course in teaching methods for all levels of swimming and diving. Modern methods of training the competitive swimmer with emphasis on technique and conditioning of the individual. The organization and administration of swimming pools and clubs with regard to staff, recreation, and pool filtration.	
*421 PHYSICAL EDUCATION PROGRAM IN THE ELEMENTARY SCHOOL	3 Sem. Hrs.
Aims of the physical education program, appropriate outcomes for different age levels, and the selection and use of materials that contribute to the accomplishment of these objectives. <i>Prerequisite: 101-159, 201, 202 or 161-197.</i>	
*423 ADAPTIVE PHYSICAL EDUCATION	2 Sem. Hrs.
Recognition of pupils with physical deviations, and use of special or modified physical education activities. <i>Prerequisite: 311.</i>	
*425 MODERN DANCE IN THE SECONDARY SCHOOL	3 Sem. Hrs.
Dance techniques and elements of composition for the secondary school teacher. Not open to those who have taken Modern Dance Composition. <i>Prerequisite: Consent of Instructor.</i>	
*461, 462 CHOREOGRAPHY	Each Course 3 Sem. Hrs.
Choreographic studies on the advanced level using sonata, rondo, and fugue forms. Elements of performance. Choreography, staging, costumes, and presentation of a group dance. <i>Prerequisite: 320.</i>	

## PHYSICAL SCIENCES

### CHEMISTRY COURSES (CHEM)

22.406 INORGANIC CHEMISTRY 4 Sem. Hrs.  
Nuclear and extranuclear structure, molecular orbital and ligand field theories, aqueous and non-aqueous reactions, coordination chemistry, inorganic synthesis, modern instrumentation, etc. Three lecture hours and one three-hour laboratory period. *Prerequisite: CHEM 22.317 (may be taken concurrently).*

22.416 INSTRUMENTAL ANALYTICAL CHEMISTRY 4 Sem. Hrs.  
Instruments introduced in CHEM 22.217 are reconsidered with the application of Physical Chemistry CHEM 22.316. Interpretation of typical data generated by the use of NMR, ESR, MS, and x-rays, and other recent developments in instrumental methods of analysis. Two one-hour lectures and two three-hour laboratory periods. *Prerequisite: CHEM 22.217, 22.316. PHYS 66.311 is recommended.*

22.418 ADVANCED ORGANIC CHEMISTRY 3 Sem. Hrs.  
Review of fundamentals. Advanced treatment of selected topics in organic chemistry. Typical subject matter areas: 1) reaction mechanisms; 2) structure elucidation; 3) stereo-chemistry; 4) linear free energy relationships; 5) molecular orbital calculations. Three lecture hours. *Prerequisite: CHEM 22.219, 22.317 or concurrently.*

22.419 ADVANCED ORGANIC CHEMISTRY LABORATORY 2 Sem. Hrs.  
Methods of organic synthesis. Emphasis on general types of organic reactions, relying, in part, on original literature sources. Includes considerable individual instruction in laboratory techniques and in the use of equipment and instruments. Two three-hour laboratory periods. *Prerequisite: CHEM 22.219.*

22.421 MODERN CONCEPTS OF CHEMISTRY 4 Sem. Hrs.  
Principles of modern chemistry including some inorganic, organic, analytical, and physical chemistry in an integrated treatment. Primarily for secondary school science teachers. Three lecture hours and one three-hour laboratory period. May not be counted for credit by chemistry majors since the course content is covered elsewhere in their curriculum. *Prerequisite: CHEM 22.202 or 22.204 and two other science courses.*

22.496 INTRODUCTION TO RESEARCH IN CHEMISTRY 1-3 Sem. Hrs.  
An individual laboratory and/or library investigation in research interest of an instructor. May be repeated for credit as CHEM 22.497 a,b,c, etc. At the completion of a project, the student is required to give a public seminar on the work done and the principles involved. The vote of the chemistry faculty present in the seminar will be considered by the research supervisor in assigning final grades. *Prerequisite: Consent of Instructor.*

### PHYSICAL SCIENCE COURSES (PHSC)

64.401 ADVANCED LABORATORY IN PHYSICAL SCIENCE 2 Sem. Hrs.  
Exacting laboratory work of an advanced nature under the guidance of the Physical Sciences Department staff. Each student will present and defend his work at a seminar. *Prerequisite: Consent of Instructor.*

64.405 FUNDAMENTAL CONCEPTS IN THE EARTH SCIENCES 3 Sem. Hrs.  
Principles of astronomy, geology and related earth sciences. Methods of investigation employed by earth scientists. Observations in the planetarium and field studies in the Baltimore area. Two lecture hours and one two-hour laboratory period. *Prerequisite: PHSC 64.200 or Equivalent. No credit allowed if student has taken PHSC 64.320 (Astronomy) and/or PHSC 64.224 (Geology).*

### PHYSICS COURSES (PHYS)

66.471 PHYSICAL STATICS AND INTRODUCTORY QUANTUM MECHANICS 3 Sem. Hrs.  
Distribution functions, the Fermi-Dirac and Einstein Base statistics, fluctuations, photon-particle interactions, the need for a quantum theory, the Schoedenger equation, the Pauli theory of electron spin, electronic structure of matter. Three lecture hours. *Prerequisite: PHYS 66.301, 66.303, 66.305, 66.306, 66.311; MATH 50.335, 50.437.*

66.472 PHYSICAL STATISTICS AND INTRODUCTORY QUANTUM MECHANICS 3 Sem. Hrs.  
Solution of Schoedinger's equation, the potential barrier problem, the harmonic and non-harmonic oscillator, perturbation theory, uncertainty and complementarity, the probabilistic interpretation, nuclear transformations, conservation laws, symmetry and parity, Dirac's theory of the electron. Three lecture hours. *Prerequisite:* PHYS 66.471.

### SCIENCE EDUCATION COURSES (SCIE)

76.488 AEROSPACE EDUCATION WORKSHOP 3 Sem. Hrs.  
In cooperation with CAP, USAF, NASA and others. A fund of general knowledge about aviation and space exploration, their impacts, and the development of resources for uses in teaching. Field trips, two of which may extend all day. Air and ground transportation by the college and cooperating agencies. For elementary and secondary school teachers, supervisors, administrators and students in these fields.

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76.585 SEMINAR IN ELEMENTARY SCHOOL SCIENCE 3 Sem. Hrs.  
Seminar approach to current practices and trends in organizing, teaching and improving programs in elementary school science. A seminar paper based on action research is required. *Prerequisite:* At least 3 basic science courses and elementary school teaching experience.

## PSYCHOLOGY

### PSYCHOLOGY COURSES (PSYC)

70.401 NATURE AND NEEDS OF VISION HANDICAPPED 3 Sem. Hrs.  
Anatomy and physiology of the eye. Eye defects and their educational relevance. Lectures and demonstration by eye specialist. Educational implications. Observations in clinics and educational settings. *Prerequisite:* PSYC 70.203 or Equivalent.

70.403 METHODS OF TEACHING THE VISUAL HANDICAPPED 3 Sem. Hrs.  
Instructional techniques, materials and resources used in teaching the visually handicapped. Includes Braille materials. *Prerequisite:* PSYC 70.401.

70.405 CURRICULA FOR THE VISUAL HANDICAPPED 3 Sem. Hrs.  
School adjustment, including orientation and travel of the visual handicapped. Utilization of fine, domestic, and industrial art programs as well as the academic programs. Includes Vision-handicapped — Multi-handicapped. *Prerequisite:* PSYC 70.403

70.407 ADOLESCENT PSYCHOLOGY 3 Sem. Hrs.  
Physical, emotional, intellectual development during adolescence; social development and heterosexuality; adolescent personality; problems of adjustment; juvenile delinquency. *Prerequisite:* PSYC 70.203 or Equivalent.

70.409 COMPARATIVE PSYCHOLOGY 3 Sem. Hrs.  
The differences in behavior between species will be compared within a framework of learning, ethology, and neuropsychology. *Prerequisite:* PSYC 70.203 or equiv.

70.410 TESTS AND MEASUREMENTS 3 Sem. Hrs.  
Psychological and educational testing and evaluation. The construction, administration, interpretation and use of the various evaluative devices of aptitude and achievement. *Prerequisite:* PSYC 70.104 or 70.203 or 70.205.

70.411 PERSONALITY MEASUREMENTS 3 Sem. Hrs.  
A continuation of PSYC 70.410 that will emphasize the use and interpretation of instruments for measuring attitudes, interests and related aspects of personality. Instruments studied will include paper-pencil inventories, projective devices, and observational procedures. *Prerequisite:* PSYC 70.410.

70.412 PHYSIOLOGICAL PSYCHOLOGY 3 Sem. Hrs.  
The physiological basis of behavior, with consideration of receptor, central, and effector structures and function. *Prerequisite: PSYC 70.210 or Consent of Instructor.*

70.415 INDIVIDUAL INTELLIGENCE TESTING 3 Sem. Hrs.  
Construction, standardization, administration, and scoring of Stanford-Binet and the Wechsler Individual Intelligence Tests. *Prerequisite: 12 hours plus Consent of Department.*

70.417 OCCUPATIONAL INFORMATION 3 Sem. Hrs.  
Educational and vocational resources. Evaluation, classification, and use of such information. *Prerequisite: PSYC 70.511.*

70.420 MENTAL HYGIENE 3 Sem. Hrs.  
Adjustment as related to mental health, problems to which adjustment is made, and the nature of conflict. *Prerequisite: PSYC 70.203 or 70.205.*

70.421 GROUP DYNAMICS 2 Sem. Hrs.  
Intensive study of group interactions with emphasis upon reciprocal group influence of behavior. *Prerequisite: PSYC 70.322*

70.423 INTRODUCTION TO AND ANALYSIS OF INTERPERSONAL RELATIONSHIPS 3 Sem. Hrs.  
Current concepts of the helping relationship and an exploration of the conditions that facilitate its effectiveness. *Prerequisite: PSYC 70.420.*

70.426 SYSTEMS AND TECHNIQUES OF COUNSELING PRACTICE 3 Sem. Hrs.  
Review and application of current theoretical approaches to the helping relationship. *Prerequisite: PSYC 70.423, 70.410.*

70.427 SUPERVISED FIELD EXPERIENCE 3-6 Sem. Hrs.  
Placement in a community service agency to familiarize the student with its current practices. Supervised client contact will be provided.

70.460 INTRODUCTION TO THE EXCEPTIONAL CHILD 3 Sem. Hrs.  
Children with atypical physical, mental, social, and emotional development, including the physically handicapped, the mentally retarded, the gifted, and emotionally disturbed children. *Prerequisite: PSYC 70.203 or 70.205.*

70.485 INTRODUCTION TO EXPERIMENTAL DESIGN 4 Sem. Hrs.  
Introduction to experimental design, non-experimental techniques, scientific rationale, data analysis.

70.486 ADVANCED EXPERIMENTAL DESIGN (Honors) 4 Sem. Hrs.  
Design and analysis—Analysis of variance (completely randomized designs, repeated measurement designs, etc.), multiple comparisons, nonparametrics, general problems related to sampling, experimenter effects, etc. *Prerequisite: PSYC 70.110. Honors approval or Consent of Instructor.*

70.488 SYSTEMS OF PSYCHOLOGY 3 Sem. Hrs.  
Schools of psychology with their theoretical and methodological approaches. *Prerequisite: 12 hours plus Consent of Department.*

70.490 INDEPENDENT INVESTIGATION IN PSYCHOLOGY 3 Sem. Hrs.  
An opportunity for especially qualified students to undertake minor research problems according to their interest and training under the direction of a staff member. *Prerequisite: PSYC 70.210 plus Consent of Department.*

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Written permission of the Psychology Department is required for registration in all 500-level courses except for the following: PSYC 70.501, 70.505, 70.511, 70.553, 70.557.

70.501 DEVELOPMENTAL PSYCHOLOGY 3 Sem. Hrs.  
Psychological structures and functions in human development. Theoretical and research approaches. *Prerequisite: PSYC 70.203 or Equivalent.*

70.505 ADVANCED EDUCATIONAL PSYCHOLOGY 3 Sem. Hrs.  
Survey of current research in Child Psychology, Learning, Mental Hygiene, and Tests & Measurements. Emphasis on critical analysis of studies. *Prerequisite: PSYC 70.501.*

70.506 ADVANCED ABNORMAL PSYCHOLOGY 3 Sem. Hrs.  
Current and historical perspectives of psychopathology. Emphasis on varied approaches in contemporary schools, methods of assessment and treatment. *Prerequisite: PSYC 70.306 or Equivalent.*

70.510 TECHNIQUES OF COUNSELING 3 Sem. Hrs.  
Counseling and therapy techniques used by counselors and other professional personnel working with children and adults. *Prerequisite: PSYC 70.511 or Equivalent.*

70.511 PRINCIPLES OF GUIDANCE 3 Sem. Hrs.  
Aims at establishing a philosophy and gaining a knowledge of the principles of guidance. Includes an introduction to the literature of the field. *Prerequisite: PSYC 70.501 or Equivalent.*

70.512 ANALYSIS OF THE INDIVIDUAL 3 Sem. Hrs.  
Techniques available in studying the individual. Emphasizes data in the areas of vocational, educational, and personal adjustment. *Prerequisite: PSYC 70.511 and 70.410 or 70.110. (PSYC 70.511 may be taken concurrently.)*

70.513 PSYCHODYNAMICS OF BEHAVIOR 3 Sem. Hrs.  
Description of the manifestation and consequences of the interaction of the emotional needs and the behavioral syndromes. *Prerequisite: PSYC 70.305 and 70.306 or 70.420.*

70.514 GROUP TECHNIQUES IN GUIDANCE AND COUNSELING 3 Sem. Hrs.  
The selection, organization, and effective use of group guidance materials and techniques in providing for the common needs of groups of students in making more effective educational, occupational, social, and personal adjustment. *Prerequisite: PSYC 70.512, 70.520.*

70.515 PROJECTIVE TECHNIQUES I 3 Sem. Hrs.  
This is the first of a two course sequence dealing with projective techniques. The first semester emphasizes an introduction to the administration and scoring of projectives in current clinical use. Credit will be awarded only upon completion of the first and second semester of this sequence. *Prerequisite: Graduate Student status and Consent of Instructor.*

70.516 PROJECTIVE TECHNIQUES II 3 Sem. Hrs.  
The second of a two semester sequence in projective techniques. This course emphasizes the interpretation of projective data and diagnostic implications. Particular emphasis will be placed on the evaluation of learning problems. *Prerequisite: PSYC 70.515 and Consent of Instructor.*

70.517 COUNSELING THE ELEMENTARY SCHOOL CHILD 3 Sem. Hrs.  
Study of the dynamics of child behavior, techniques of assessing and counseling. Study of the family, school, and community structures and their effect on the child. *Prerequisite: PSYC 70.510, 70.513.*

70.519 REFERRAL RESOURCES FOR THE SCHOOL AGE CHILD 3 Sem. Hrs.  
A study of referral services for the enhancement of the emotional, vocational, and the behavioral adaptation of children in need of services beyond the classroom situation. The course attempts to give direct knowledge to the student of all such specialized facilities both school and community sponsored. *Prerequisite: PSYC 70.501, 70.510.*

70.521 CLINICAL PRACTICUM IN SCHOOL PSYCHOLOGY I 3 Sem. Hrs.  
Provides an opportunity to participate in diagnostic, remedial, and therapeutic planning as well as follow-up studies under supervision of practicing clinical psychologists. *Prerequisite: Consent of Instructor.*

70.522 CLINICAL PRACTICUM IN SCHOOL PSYCHOLOGY II 3 Sem. Hrs.  
Off campus placements will be arranged for each student. Supervision from a practicing clinical psychologist will be conducted on a group as well as individual basis. *Prerequisite: PSYC 70.521.*

70.523 GUIDANCE PRACTICUM I 3 Sem. Hrs.  
Supervised experience in educational and vocational counseling. *Prerequisite: PSYC 70.510 plus consent of the dept. Credit will be granted for this course upon completion of PSYC 70.525 or 70.530-70.531.*

70.525	GUIDANCE PRACTICUM II	3 Sem. Hrs.
	Field experience in educational and vocational counseling. <i>Prerequisite:</i> PSYC 70.523 plus consent of the dept. Students registering for this course will be required to have one half day (1 p.m. to 5 p.m.) free for Practicum assignments.	
70.527	USE OF TESTS IN COUNSELING	3 Sem. Hrs.
	Practice in the use and analysis of techniques for understanding the individual with emphasis upon standardized procedures used in the public schools. <i>Prerequisite:</i> PSYC 70.512.	
70.530	COMMUNICATION MEDIA WITH CHILDREN I	3 Sem. Hrs.
	Introduction to the methods and materials used in diagnostic and therapeutic approaches to children. Use of toys, art media, and play activities emphasized. <i>Prerequisite:</i> PSYC 70.510 or Equivalent.	
70.531	COMMUNICATION MEDIA WITH CHILDREN II	3 Sem. Hrs.
	A continuation of PSYC 70.530 with emphasis upon practical application of the theoretical principles involved in the psychodiagnostic and therapeutic use of play media. Use of the playroom and its materials will be emphasized. <i>Prerequisite:</i> PSYC 70.523, 70.530.	
70.541	SYSTEMS OF PSYCHOTHERAPY	3 Sem. Hrs.
	Course is designed to acquaint students with the more prominent schools of psychotherapy. Particular emphasis is placed on the psychotherapeutic aspect of educational and clinical settings. <i>Prerequisite:</i> PSYC 70.305, 70.306 or 70.420, 70.506.	
70.547	GROUP PSYCHODYNAMICS I: THEORY AND PRACTICE	3 Sem. Hrs.
	Theoretical concepts of group dynamics. Defining static and dynamic role relationships. Understanding interaction group effects. A totally integrated learning experience. <i>Prerequisite:</i> PSYC 70.510. No credit for I unless II is completed.	
70.548	GROUP PSYCHODYNAMICS II: PRACTICE	3 Sem. Hrs.
	Establishment of a laboratory approach to groups to experience and define qualities of group communication, and other group phenomena. Participation in an ongoing group interaction to help the student identify how he affects and is affected by the group process. <i>Prerequisite:</i> PSYC 70.547.	
70.553	MENTAL HYGIENE IN EDUCATION	3 Sem. Hrs.
	Principles of mental hygiene and their application to the educational setting. Major emphasis on wholesome personality development. <i>Prerequisite:</i> PSYC 70.501.	
70.557	DIAGNOSTIC TECHNIQUES IN EDUCATION	3 Sem. Hrs.
	Use of standardized and teacher-constructed instruments for diagnostic and instructional purposes. <i>Prerequisite:</i> PSYC 70.501, 70.410 or Equivalent.	
70.591	SEMINAR IN SCHOOL PSYCHOLOGY	3 Sem. Hrs.
	Consideration of current practices and trends in school psychology. Each student will do a study of interest to him and submit a formal written paper. <i>Prerequisite:</i> Consent of Department.	
70.595	SEMINAR IN COUNSELING — ELEMENTARY	3 Sem. Hrs.
	Analysis of research trends; examination of critical issues, reports of student research projects, professional problems and ethics. <i>Prerequisite:</i> PSYC 70.523.	
70.596	SEMINAR IN COUNSELING — SECONDARY	3 Sem. Hrs.
	Analysis of research trends, examination of critical issues, reports of student research projects, professional problems and ethics. <i>Prerequisite:</i> PSYC 70.523.	
70.599	THESIS	3 Sem. Hrs.
	Optional for students in Master of Education for School Psychologists program.	

## SPEECH AND DRAMA

### SPEECH AND DRAMA COURSES (SPCH)

#### GENERAL SPEECH (*including Public Address*)

##### 84.402 SPEECH SCIENCE

3 Sem. Hrs.

Lectures, readings, and demonstrations presenting the structure and function of the physiological systems involved in respiration, phonation, resonance, and articulation. Fundamentals of the physiology of the speech mechanism and the physics of sound transmission. *Prerequisite:* SPCH 84.310.

##### 84.403 CLASSICAL AND MODERN RHETORIC

3 Sem. Hrs.

Survey of rhetorical theory from Isocrates to contemporary communication theorists. Particular attention is given to Aristotle, Cicero, and Quintillian. Designed to develop standards of rhetorical criticism. *Prerequisite:* SPCH 84.203 and 84.302 or Consent of Instructor.

##### 84.405 AMERICAN PUBLIC ADDRESS

3 Sem. Hrs.

History and criticism of two centuries of public address in the United States, the great speakers, their historical environment, their beliefs and effects on American life. *Prerequisite:* SPCH 84.203 or HIST 40.221 or Consent of Instructor.

##### 84.406 BRITISH PUBLIC ADDRESS

3 Sem. Hrs.

Public address in Great Britain, the great speakers, their historical environment, their beliefs and effects on British life; development of speech theory. *Prerequisite:* SPCH 84.203 or HIST 40.121 or Consent of Instructor.

##### 84.411 EXPERIMENTAL PHONETICS

3 Sem. Hrs.

An advanced course in the study of Phonetic Science. Concerned with the application of experimental methods to study and research in voice and phonetics, especially stethographic analysis. Includes critical review of research literature in Scientific Phonetics. *Prerequisite:* SPCH 84.310 or Consent of Instructor.

##### 84.432 THE COACHING AND MANAGEMENT OF FORENSICS

3 Sem. Hrs.

Consideration of theories, practices and experimental studies in argumentation and debate. Analysis of classic debates. Problems in coaching debates. Practical application to the college forensic program. *Prerequisite:* SPCH 84.231 or Consent of Instructor.

##### 84.485 NEWSPAPER WORKSHOP

3 Sem. Hrs.

Sponsored by the member newspapers of the Maryland-Delaware Press Association, and Towson State College. *Prerequisite:* Consent of Instructor.

Designed primarily to provide public school teachers with background about the mass media so that they may better help pupils to become informed and develop intelligent opinions on current affairs. Students will be expected to take two afternoon field trips. Summer Sessions only. *Prerequisite:* Consent of Instructor.

##### 84.495 INDEPENDENT STUDY IN PUBLIC ADDRESS

1-3 Sem. Hrs.

Independent study in selected areas of public address through directed readings, projects, papers, or seminars. *Prerequisite:* Open by invitation of the Speech Department to qualified students.

## THEATRE ARTS

##### 86.401 THEATRE AS A PROFESSION

1 Sem. Hr.

Working conditions, unions, employment opportunities in the theatre. Preparation of professional credentials, audition material, etc. *Prerequisite:* Theatre Arts major or Consent of Instructor.

##### 86.431 DIRECTING THE PERIOD PLAY

3 Sem. Hrs.

Research techniques and directorial approaches to period drama. Individual directing projects of scenes from representative period dramas. *Prerequisite:* SPCH 86.331 or Consent of Instructor.

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86.441 COSTUME DESIGN	3 Sem. Hrs.
Study of the theories and principles of costume design, and practice in designing costumes for the stage. Includes a study of the relationship of color, texture, and historical period to the script and style of a theatrical production. Also practical use of costume research techniques in preparing designs. Experience in designing costumes for many historical periods and styles of plays.	
86.485 ADVANCED THEATRE WORKSHOP FOR SECONDARY SCHOOL TEACHERS	6 Sem. Hrs.
Open to graduate students and undergraduate students of junior and senior standing who have had courses in theatre and/or practical experience in theatre. May be taken for graduate or undergraduate credit.	
Students will work with high school students in theatre projects and will have opportunities to design and/or direct.	
Interested applicants should contact the Director of the Summer Theatre Workshops at the earliest opportunity, preferably by June 1.	
86.487 PROFESSIONAL THEATER SEMINAR	12 Sem. Hrs.
A semester's internship in a resident theater company. For majors only. <i>Prerequisite: Approval of director of theater.</i>	
86.495 PROBLEMS IN THEATER I	1-3 Sem. Hrs.
Independent study of an academic or creative nature. For majors only. <i>Prerequisite: Approval of plan of study by instructor and director of theater.</i>	
86.496 PROBLEMS IN THEATER II	1-3 Sem. Hrs.
86.497 PROBLEMS IN THEATER III	1-3 Sem. Hrs.
86.498 PROBLEMS IN THEATER IV	1-3 Sem. Hrs.

## SPEECH PATHOLOGY AND AUDIOLOGY

87.403 METHODS OF SPEECH CORRECTION II	3 Sem. Hrs.
A review of the causes, symptoms, and treatment of speech disorders including stuttering, cerebral palsy, aphasia, and glandular disorders. There will be demonstrations and discussions of clinical approaches. Opportunities will be offered in the diagnosis of auditory disorders.	
87.407 COMMUNICATION PROBLEMS OF THE DEAF AND HARD OF HEARING	3 Sem. Hrs.
Objectives and techniques and procedures for developing the communication process with the deaf and hard of hearing.	
87.408 LANGUAGE OF DEAF AND HARD OF HEARING	3 Sem. Hrs.
A study of the techniques and procedures for developing the communicative process with the deaf and hard of hearing.	
87.411 SEMINAR — WORKSHOP IN SPEECH PATHOLOGY AND AUDIOLOGY	3 Sem. Hrs.
87.487 CLINICAL PRACTICE IN SPEECH CORRECTION	2-6 Sem. Hrs.
Clinical observation of and practice in corrective procedures with various types of speech disorders in the college speech clinic, Lida Lee Tall School, and public schools. (Credit is for 2 semester hours per semester.) <i>Prerequisite: SPCH 87.321.</i>	
87.488 CLINICAL PRACTICE IN PUBLIC SCHOOLS	2 Sem. Hrs.
Assigned to a public school correctionist for observation and practice teaching for eight hours a week. The student will earn 100 clock hours of the required 200 for graduation.	
87.489 CLINICAL COUNSELING IN AUDIOLOGY AND SPEECH PATHOLOGY	3 Sem. Hrs.
Systems of directive and nondirective counseling utilized by speech and hearing clinicians for the management of organic and nonorganic disorders. Techniques of interviewing, case history recording, and the conditioning of semantic reactions through interpersonal interaction. <i>Prerequisite: SPCH 87.321, 87.322.</i>	

## ADMINISTRATION

### BOARD OF TRUSTEES

William L. Wilson, <i>Chairman</i> .....	Cumberland
Samuel Hopkins, <i>Vice-Chairman</i> .....	Baltimore
Elaine C. Davis .....	Baltimore
Mathias J. DeVito .....	Baltimore
Victor Frenkil .....	Baltimore
H. Emslie Parks .....	Woodstock
H. Gray Reeves .....	Salisbury
James Sensenbaugh .....	Frederick
Robert B. Watts .....	Baltimore

### GENERAL ADMINISTRATION

James L. Fisher, B.S., M.S., Ph.D. ....	<i>President of the College</i>
Charles A. Haslup, B.S., M.Ed. ....	<i>Assistant to the President</i>
William A. Carey, B.S. ....	<i>Director of College Relations</i>

### ACADEMIC ADMINISTRATION

Kenneth A. Shaw, B.S., M.Ed., Ph.D. ....	<i>Acting Dean of the College</i>
Joseph W. Cox, B.S., M.A., Ph.D. ....	<i>Associate Dean of the College</i>
Wilfred B. Hathaway, B.S., M.S., Ph.D. ....	<i>Director of Graduate Studies</i>
Charles C. Onion, B.S., B.M., M.A., Ph.D.	<i>Director of Summer Sessions &amp; Evening College</i>
William J. Reuling, B.A., M.A.	<i>Counselor for Summer Sessions &amp; Evening College</i>

Anthony S. Witkowski, B.S.	<i>Counselor for Summer Sessions &amp; Evening College</i>
Julius Chapman, B.S., M.Ed.	<i>Coordinator of Towson's Opportunity Program</i>
Michael L. Mahoney, B.S., M.A. ....	<i>Director of Admissions</i>
Everett Griner, B.S. ....	<i>Associate Director of Admissions</i>
F. Wayne Sigler, B.S., M.A. ....	<i>Associate Director of Admissions</i>
Gerard A. Sartori, B.A. ....	<i>Registrar</i>
Edwin F. Sasaki, A.B., M.A., Ed.D. ....	<i>Associate Registrar</i>
Donald P. Dean, B.S. ....	<i>Assistant Registrar</i>
Dorothy W. Reeder, A.B., B.S., M.A. ....	<i>Librarian</i>
Robert E. Wall, B.S., M.A., Ph.D. ....	<i>Director of Research and Evaluation</i>
Neil R. Hopkins, B.S., M.S. ....	<i>Assistant Director of Research and Evaluation</i>



Walter W. Williamson, A.B., Ed.M., Ed.D. . . . Director of Laboratory Experiences  
David Cornthwaite, B.S., M.A.

*Principal of Lida Lee Tall Learning Resources Center*

**STUDENT PERSONNEL ADMINISTRATION**

Orielle Murphy, B.A., M.A., Ed.D. . . . .	<i>Dean of Students</i>
Francis J. LeMire, B.A., M.A. . . . .	<i>Associate Dean of Students</i>
Dallas Garber, B.A., Ed.M. . . . .	<i>Director of the College Union</i>
James E. Duffy, B.A., M.A. . . . .	<i>Associate Director of the College Union</i>
Paul J. Gigley, B.S., M.Ed. . . . .	<i>Assistant Director of the College Union</i>
Richard S. Freeman, B.A. . . . .	<i>Director of Financial Aids</i>
Marjorie Benjamin, B.A. . . . .	<i>Assistant Director of Financial Aids</i>
Susan L. Stecker, B.A., M.A. . . . .	<i>Coordinator of Student Activities</i>
Patrick C. Phelan, A.B., M.D. . . . .	<i>College Physician</i>
Kent Robinson, M.D. . . . .	<i>Director of Mental Health Services</i>

Kenneth S. Russell, B.S., Ed.D. ....	<i>Director of the Counseling Center</i>
Charles E. Maloy, B.A., M.Ed. ....	<i>Counselor</i>
Marthe Quinotte, B.A., M.Ed. ....	<i>Counselor</i>
Bettye Floyd, B.A., M.Ed. ....	<i>Counselor</i>
Charles A. Haslup, B.S., M.Ed. ....	<i>Director of Orientation for New Students</i>
Mary Lee Farlow, A.B., M.Ed. ....	<i>Director of Residence</i>
Sara V. Souris, B.S. ....	<i>Assistant Director of Residence</i>
Craig C. Biggs, B.S. ....	<i>Assistant Director of Residence</i>

#### **BUSINESS MANAGEMENT ADMINISTRATION**

Wayne N. Schelle, B.A., M.B.A. ....	<i>Director of Business and Finance</i>
S. Joseph Creel, B.S. ....	<i>Comptroller</i>
H. William Bauersfeld, Jr., B.S.	<i>Director of Administrative and Auxiliary Services</i>
Leon D. Herring ....	<i>Physical Plant Supervisor</i>
George Miller ....	<i>Purchasing Agent</i>
Ethel Gardner, B.S., Sc.D. ....	<i>Food Service Manager</i>
Fred G. Bank, B.A., LL.B. ....	<i>Director of Personnel</i>
Donald N. McCulloh, B.S., M.S. ....	<i>Finance and Management Analyst</i>
Gene E. Dawson ....	<i>Security Supervisor</i>



## INSTRUCTIONAL FACULTY 1969-1970

*The date in brackets following the listing of each person  
is the date of first appointment in the college.*

**ROBERT W. ABENDROTH**, *Associate Professor, Education*  
B.A., Bowdoin College; M.Ed., University of Vermont. [1951]

**CLIFFORD D. ALPER**, *Associate Professor, Music*  
B.M., M.M., University of Miami. [1960]

**HERBERT D. ANDREWS**, *Professor, History*  
A.B., Bowdoin College; M.A., Ph.D., Northwestern University. [1959]

**GOLDEN E. ARRINGTON**, *Associate Professor, Music*  
B.M., M.M., University of Idaho; Ph.D., University of Texas. [1968]

**JOHN R. BAREHAM**, *Professor, Physical Science*  
B.S., State Teachers College at Towson; M.A., Ed.D., Teachers College, Columbia University. [1956]

**ROBERT D. BECKEY**, *Associate Professor and Chairman, Department of Mathematics*  
A.B., Wittenberg University; M.Ed., Miami University. [1959]

**GEORGE A. BEISHLAG**, *Professor, Geography*  
A.B., Wayne University; M.A., Clark University; Ph.D., University of Maryland. [1954]

**SUSIE M. BELLOWS**, *Associate Professor, Education*  
A.B., College of Charleston; M.A., George Peabody College for Teachers. [1961]

**THOMAS BENTON**, *Associate Professor, Education*  
B.A., East Caroline College; Ed.M., University of North Carolina; Ed.D., Duke University. [1969]

**L. EDWARD BEVINS**, *Professor and Chairman, Department of English*  
A.B., University of Alabama; M.A., Ph.D., University of Virginia. [1952]

**CORINNE T. BIZE**, *Professor, Physical Education*  
B.S., Russell Sage College; M.A., New York University, Ed.D., Teachers College, Columbia University. [1951]

**FLOYD A. BLANKENSHIP**, *Associate Professor, Chemistry*  
B.S., University of Georgia; Ph.D., University of Chicago. [1966]

**ARNOLD BLUMBERG**, *Professor, History*  
B.S., M.S., Ph.D., University of Pennsylvania. [1958]

**JOHN B. BOLES**, *Assistant Professor, History*  
B.A., Rice University; Ph.D., University of Virginia. [1969]

**ALIZA BRANDWINE**, *Associate Professor, Education*  
B.A., New School of Social Research; M.A., Ed.D., Yeshiva University. [1969]

**ARTHUR W. BREWINGTON**, *Professor, Speech*  
A.B., Asbury College; M.A., Cornell University; Ph.D., George Peabody College for Teachers. [1945]

**THELMA S. BREWINGTON**, *Associate Professor, Speech*  
B.A., Cotner College; M.A., University of Denver. [1950]

**SAMUEL BRODBELT, Associate Professor, Education**  
B.A., M.Ed., Ph.D., Ohio State University. [1969]

**MAUD J. BROYLES, Professor, Education**  
A.B., Concord State Teachers College; M.A., Northwestern University; Ed.D., Teachers College, Columbia University. [1958]

**GILBERT A. BRUNGARDT, Professor and Chairman, Department of Music**  
B.M.Ed., Fort Hays State College; M.M., Washington University; D.M.A., University of Illinois. [1967]

**GRAYSON S. BURRIER, Professor, Education**  
A.B., Catawba College; M.A., Teachers College, Columbia University; Ed.D., University of Maryland [1956].

**BARBARA H. CARSON, Assistant Professor, English**  
B.A., Florida State University; M.A., Johns Hopkins University. [1968]

**DONALD L. CASSATT, Professor and Chairman, Department of Psychology**  
B.S., Indiana State College, Pennsylvania; M.L., Ph.D., University of Pittsburgh. [1960]

**MARY R. CASTELLI, Assistant Professor, Botany**  
B.A., Marshall University; A.M., Ph.D., Smith College. [1967]

**GEORGE C. COLEMAN, Professor and Chairman, Department of Business Administration, Economics, and Political Science**  
A.B., The College of the Ozarks; M.A., University of Oklahoma; Ph.D., State University of Iowa [1956]

**RUTH M. CONARD, Professor, Physical Education, Chairman, Women's Athletics**  
A.B., Shepherd College; M.S., University of Wisconsin; Ed.D., Temple University. [1963]

**DAVID L. CORNTHWAITE, Associate Professor, Principal, Laboratory School**  
B.S., State Teachers College at Towson; M.A., Teachers College, Columbia University. [1952]

**WARREN P. CORTELYOU, Professor, Chemistry**  
B.S., University of Illinois; Ph.D., State University of Iowa. [1963] (On leave of absence 1969-1970)

**ESTHER S. COULANGE, Associate Professor, Music**  
B.S., Indiana State College, Pennsylvania; M.A., New York University. [1959]

**SARA COULTER, Assistant Professor, English**  
B.A., Colorado College; Ph.D., University of Colorado. [1969]

**JOSEPH W. COX, Associate Professor, History, and Associate Dean of the College**  
B.S., M.A., Ph.D., University of Maryland. [1964]

**LOUIS T. COX, Professor, Physical Science**  
B.S., State Teachers College at Towson; M.A., Ed.D., Teachers College, Columbia University. [1947]

**COMPTON N. CROOK, Associate Professor, Biology**  
B.S., M.A., George Peabody College for Teachers. [1939]

**WESLEY A. DAVIS, Associate Professor, Psychology**  
B.A., M.A., Ed.D., University of Florida. [1967]

**NORMAN R. DIFFENDERFER, Associate Professor, Geography**  
B.S., Shippensburg State College, Pennsylvania; M.A., University of Nebraska. [1957]

**RICHARD B. DOW, Professor, Physics**  
A.B., Clark University, A.M., Ph.D., Harvard University. [1967]

**A. ANDERSON DUMAS, Professor, Education**

B.S., Alabama State College; M.A., University of Idaho; Ph.D., University of Texas. [1968]

**JOHN DURO, Associate Professor, Music**

B. Mus., M. Mus., Syracuse University. [1956]

**CHARLES R. EBERHARDT, Professor, Philosophy**

B.S., New York University; S.T.M., Biblical Seminary, New York; Ph.D., Drew University. [1965]

**SMART A. EKPO, Assistant Professor, Political Science**

B.A., Howard University; M.A., Ph.D., American University. [1967]

**GENEVA ELY-FLICKINGER, Professor, Education**

A.B., Hood College; M.A., Ph.D., Teachers College, Columbia University. [1967]

**HOWARD R. ERICKSON, Professor and Chairman, Department of Biological Sciences**

B.S., Indiana State College, Pennsylvania; M.S., Pennsylvania State University; Ph.D., Cornell University. [1959]

**JOSEPH A. FALCO, Professor, History**

B.A., Duquesne University; M.A., Ph.D., University of Pittsburgh. [1957]

**DAVID FIRMAN, Professor and Chairman, Department of Geography**

B.A., M.A., University of California at Los Angeles; Ph.D., University of Maryland. [1955]

**REGINA I. FITZGERALD, Professor, Education**

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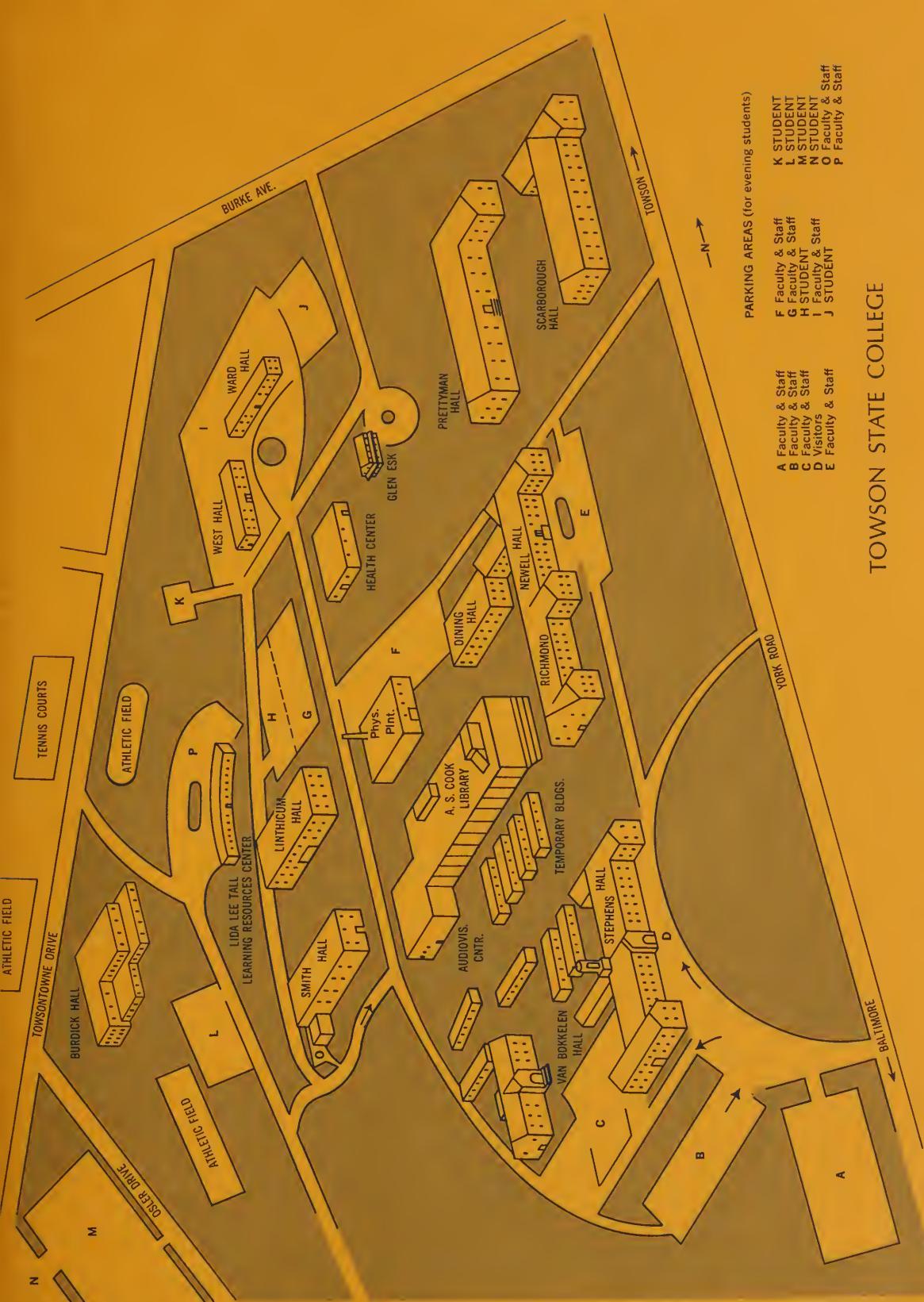
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